

# **EPA Registration Jacket**

## **8536-41 Vol. 1**



**EPA REG. NO.**

2



	United States	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
	Environmental Protection Agency		254807
	Washington, DC 20460		

## Application for Pesticide - Section I

1. Company/Product Number 8536-41	2. EPA Product Manager George T. LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Card-0-Vap 8	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Soil Chemicals Corporation dba Cardinal Professional Products P. O. Box 782 Hollister, CA 95024-0782 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

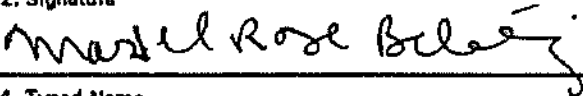
<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <u>August 17, 2004</u>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

## Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
Certification must be submitted If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1, 2- $\frac{1}{2}$ , 5, 30, 55-gal.	
		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)				
Name Mardel Rose Belotinsky		Title Regulatory Affairs Specialist		
		Telephone No. (Include Area Code) list (831) 637-1992		
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)	
2. Signature 		3. Title Regulatory Affairs Specialist		
4. Typed Name Mardel Rose Belotinsky		5. Date January 4, 2005		



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). (If not exempted by 40 CFR 152.81 (b) (4));
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Metrics where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (8) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too" reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.





# CARDINAL

## PROFESSIONAL PRODUCTS

8-12-04  
In Accordance with the following label:  
EPA Reg. No. 8526-11

### PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

## DANGER

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN OR EYES. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applicators and other handlers must wear:
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
  - Respirator with either an organic vapor removing OV cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-140)
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

### PHYSICAL/CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

### STATEMENT OF WARRANTY AND LIABILITY

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for defect, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

April 12, 2004

## CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY  
NOT FOR USE OR STORAGE IN OR AROUND THE HOME

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES AND IN THE NONFOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS

### ACTIVE INGREDIENTS:

2,2-dichlorovinyl dimethyl phosphate (Dichlorvos, DDVP) ..... 7.8%

Related Compounds ..... 0.2%

OTHER INGREDIENTS\* ..... 92.0%

TOTAL ..... 100.0%

\* Equivalent to 8% Vapona Insecticide

\*\*Contains Petroleum Distillates

### KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

### FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### NOTE TO PHYSICIAN

SYMPTOMS & TREATMENT:	<ul style="list-style-type: none"> <li>Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.</li> <li>Atropine is the specific therapeutic antidote for effects against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals. In doses of 1 to 2 milligrams until complete Atropinization has occurred. Atropine is also anticholinergic and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Prolonged exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.</li> </ul>
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CARDINAL PROFESSIONAL PRODUCTS • P. O. Box 782 • Hollister • CA 95024-0782

EPA Reg. No. 8526-11

Net Contents

EPA Est. 48198-CA-01

### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

### FOR USE IN COMMERCIAL APPLICATION EQUIPMENT: CONVENTIONAL OR ULV FOGGING EQUIPMENT

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: homogenized sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:

- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

### NOTE—USE IS PROHIBITED IN:

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drink), frozen food, food including pizza plants and ice cream plants, excluding non-food manufacturing areas.
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally Inspected Meat and Poultry Plants.
- Tion-Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

### DRUM HANDLING

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a vented hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

### APPLICATION

- The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum of a 7-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unoccupied workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR UNTIL A DIRECT INDICATING SHORT-TERM CONCENTRATION MONITORING DEVICE (e.g. a Dräger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 ppm). AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 24 hours, unless the DDVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR UNTIL A DIRECT INDICATING SHORT-TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM. AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

PROTECTING THE FOODS THAT FEED THE NATION

MP # 24795-V



# CARDINAL

## PROFESSIONAL PRODUCTS

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS:

## DANGER

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN OR EYES. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applicators and other Handlers Must Wear:
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminite, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Veon
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for over-head exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
  - Respirator with either an organic vapor removing OV cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G)
  - Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them.
  - Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
  - Keep and wash PPE separately from other laundry.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

### PHYSICAL/CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

### STATEMENT OF WARRANTY AND LIABILITY

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES; AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

April 12, 2004

## CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY  
NOT FOR USE OR STORAGE IN OR AROUND THE HOME

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES, AND IN THE NONFOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS

<b>ACTIVE INGREDIENTS:</b>	
2,2-dichlorovinyl dimethyl phosphate (Dichlorvos, DDVP)	7.8%
Related Compounds	0.2%
<b>OTHER INGREDIENTS*</b>	92.0%
<b>TOTAL</b>	<b>100.0%</b>

\* Equivalent to 8% Vapona Insecticide

\*\* Contains Petroleum Distillates

### KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

### FIRST AID

IF SWALLOWED:	■ Immediately call a poison control center or doctor.
	■ Do not induce vomiting unless told to do so by a poison control center or doctor.
	■ Do not give any liquid to the person.
	■ Do not give anything by mouth to an unconscious person.
IF INHALED:	■ Move person to fresh air.
	■ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
	■ Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING:	■ Take off contaminated clothing.
	■ Rinse skin immediately with plenty of water for 15-20 minutes.
IF IN EYES:	■ Call a poison control center or doctor for treatment advice.
	■ Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	■ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
	■ Call a poison control center or doctor for treatment advice.

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### NOTE TO PHYSICIAN

<b>SYMPTOMS &amp; TREATMENT:</b>	■ Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.
	■ Atropine is the specific therapeutic antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 3-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Check chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.

CARDINAL PROFESSIONAL PRODUCTS • P. O. Box 782 • Hollister • CA 95024-0782

EPA Reg. No. 8536-11

Net Contents

EPA Est. 48419-CA-61

### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

### FOR USE IN COMMERCIAL APPLICATION EQUIPMENT: CONVENTIONAL OR ULV FOGGING EQUIPMENT

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

### NOTE—USE IS PROHIBITED IN:

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food feed (including pizza plants and ice cream plants, excluding non-feed manufacturing areas).
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetable), dairy product plants (including milk processing plants, excluding non-feed processing areas).
- Facilities inspecting meat and poultry plants.
- Non-Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (no sewer entries and ventbores), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

### DRUM HANDLING

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

### APPLICATION

- The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum of a 7-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances saying: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g., a Dräger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (2.1 ppm); AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO AM OR PM ON (date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 24 hours, unless the DDVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM; AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO AM OR PM ON (date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.  
STORAGE: Store product in original container in cool, dry, locked place out of reach of children.  
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.  
CONTAINER DISPOSAL: Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

MP # 24795-V

PROTECTING THE FOODS THAT FEED THE NATION



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

August 17, 2004

Mardel Rose Belotinsky,  
Regulatory Affairs Specialist  
Cardinal Professional Products  
P.O. Box 782  
8770 Highway 25  
Hollister, CA 95024-0782

Subject: Amendment (Revise Re-entry Statement for use in California)  
Response to Agency's Request of April 12, 2004


EPA Reg. No. 8536-40 (Card-O-Vap 5)  
EPA Reg. No. 8536-41 (Card-O-Vap 8)  
Your Submission Dated April 14, 2003 and April 15, 2004

Dear Ms. Belotinsky:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the accepted label is enclosed for your records.

If you have any questions concerning this action, please contact Dr. B. A. Akinlosotu of my team at (703) 605-0653.

Sincerely,

*for*   
George T. LaRocca,  
Product Manager 13  
Insecticide Branch  
Registration Division (7505C)

Enclosure: Stamped copy of label.

copy: Ann Prichard,  
Pesticide Registration Division  
Department of Pesticide Regulation  
P.O. Box 4015  
Sacramento, CA 95812-4015

baa:8536-40 & 41: 08-t2-04

CONCURRENCES

SYMBOL	7505C						
SURNAME	Akinlosotu						
DATE	8/17/04						



RECEIVED BY 107

4-22-03



**CARDINAL**

**PROFESSIONAL PRODUCTS**

P. O. Box 782  
HOLLISTER, CA 95024-0782  
(831) 637-1992 - TEL.  
(831) 637-0273 - FAX

April 15, 2004

Mr. George LaRocca, PM # 13  
Office of Pesticide Programs (7504C)  
U. S. Environmental Protection Agency  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460

**Subject:** *Amendment-Re-entry Statement (California)*  
**Card-O-Vap 5, EPA Reg. No. 8536-40**  
**Card-O-Vap 8, EPA Reg. No. 8536-41**

Dear Mr. LaRocca:

As per our telephone conversation of April 12, 2004, I am re-sending the labels and CSF's for the subject products. I have corrected the nominal concentrations of DDVP in the formulations to reflect the nominal concentration of active ingredient in the technical product of [REDACTED]. As you requested, I also added the word "combustible" to the "Physical/Chemical Hazards" section of the labels.

If you have any further concerns, please do not hesitate to contact me at (831) 637-1992. Thank you.

Sincerely,

*Mardel Rose Belotinsky*  
Mardel Rose Belotinsky  
Regulatory Affairs Specialist

mrh

Enclosures

Copy: Ed Hosoda  
Tom Duafala

...

...



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

**DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN OR EYES. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO OCHLORVOS (ODVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applicators and other Handlers Must Wear:
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminated, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with either an organic vapor removing OV cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-15G)
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate, do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

**PHYSICAL/CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

**STATEMENT OF WARRANTY AND LIABILITY**

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for defect, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

April 12, 2004

**CARD-O-VAP 5**

FOR SALE TO, USE AND STORAGE BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY  
HOT FOR USE OR STORAGE IN OR AROUND THE HOME

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES, AND IN THE NONFOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS

**ACTIVE INGREDIENTS:**

2,4-dichlorovinyl dimethyl phosphite (Dichlorvos, DDVP) 94.0%  
Related Compounds 0.1%

**OTHER INGREDIENTS\*\*:**

95.00%

**TOTAL**

100.00%

\* Equivalent to 5% Vapor Insecticide  
\*\* Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**FIRST AID**

IF SWALLOWED:	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN**

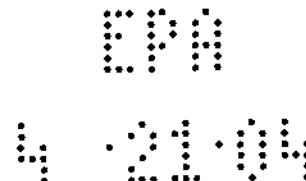
SYMPTOMS & TREATMENT:	<ul style="list-style-type: none"> <li>Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.</li> <li>Atropine is the specific therapeutic antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM H is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.</li> </ul>
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CARDINAL PROFESSIONAL PRODUCTS • P. O. Box 782 • Hollister • CA 95024-0782

EPA Reg. No. 4738-09

Net Contents

EPA Est. 4849-CA-61



**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

**FOR USE IN COMMERCIAL APPLICATION EQUIPMENT:  
CONVENTIONAL OR ULV FOGGING EQUIPMENT**

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
  - Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
  - All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

**NOTE—USE IS PROHIBITED IN:**

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drink), frozen food (including pizza plants and ice cream plants, excluding non-food manufacturing areas).
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetable), dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally Inspected Meat and Poultry Plants.
- Non-food/feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**DRUM HANDLING**

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

**APPLICATION**

- The rate of application should be 1 to 2 grams of actual Vapor per 1,000 cubic feet or 3/4 to 1-1/2 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum of 1-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND Aired PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (such as a Draeger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL TO 1 ppm; ANAIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON DAYS WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 24 hours, unless the DDVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND Aired PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM; ANAIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON DAYS WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or insecticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Metal: (Tins and drums) or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

**DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN OR EYES. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applicators and other Handlers Must Wear:
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as: Barrier Laminated, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with either an organic vapor removing OV cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G)
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

**PHYSICAL/CHEMICAL HAZARDS**

Combustible. Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

**STATEMENT OF WARRANTY AND LIABILITY**

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for defect, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

April 12, 2004

**CARD-O-VAP 5**

FOR SALE TO, USE AND STORAGE BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY  
NOT FOR USE OR STORAGE IN OR AROUND THE HOME

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BACED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES, AND IN THE NONFOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS

**ACTIVE INGREDIENTS:**

2,2-dichlorovinyl dimethyl phosphate (Dichlorvos, DDVP) 4.0%  
Related Compounds 0.1%

OTHER INGREDIENTS\*\* 95.02%  
TOTAL 100.00%

\* Equivalent to 3% Vapona Insecticide  
\*\* Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**FIRST AID**

IF SWALLOWED:	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN**

SYMPTOMS & TREATMENT:	<ul style="list-style-type: none"> <li>• Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.</li> <li>• Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage.</li> <li>• Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by a test.</li> </ul>
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CARDINAL PROFESSIONAL PRODUCTS • P. O. Box 782 • Hollister • CA 95024-0782

EPA Reg. No. 8516-00

Net Contents

EPA Est. #8488-CA-01

EPA

4-01-04

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

**FOR USE IN COMMERCIAL APPLICATION EQUIPMENT:  
CONVENTIONAL OR ULV FOGGING EQUIPMENT**

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
  - Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
  - All food/feed-processing surfaces should be covered during treatment or thoroughly cleaned before using.

**NOTE—USE IS PROHIBITED IN:**

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants, excluding non-food manufacturing areas).
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally Inspected Meat and Poultry Plants.
- Non-Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (a sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**DRUM HANDLING**

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

**APPLICATION**

- The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 3/4 to 1-1/2 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to ensure proper dosage has been applied. Keep a minimum of a 1-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 1/5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Dräger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 ppm). AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 24 hours, unless the DDVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND AIRED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM. AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS:**

**DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN OR EYES. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO OICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applicators and other Handiles Must Wear:
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminates, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with either an organic vapor removing OV cartridge with a prefilter approved for pesticides [MSHA/NIOSH approval number prefix TX-23C] or a canister approved for pesticides [MSHA/NIOSH approval number TC-14G]
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

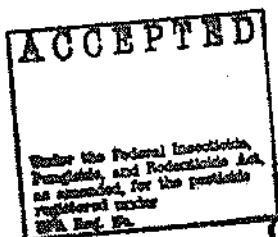
**PHYSICAL/CHEMICAL HAZARDS**

- Combustible. Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

**STATEMENT OF WARRANTY AND LIABILITY**

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

April 15, 2004



**CARD-O-VAP 8**

FOR SALE TO, USE AND STORAGE BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY  
NOT FOR USE OR STORAGE IN OR AROUND THE HOME

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BACCO RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES, AND IN THE NONFOOD/FEED AREAS OF FOOD/FEED HANDLING ESTABLISHMENTS

<b>ACTIVE INGREDIENTS:</b>	
2,2-dichlorovinyl dimethyl phosphate [Dichlorvos, DDVP]	17.8%
Related Compounds	0.2%
<b>DTYNER INGREDIENTS**:</b>	82.0%
<b>TOTAL</b>	100.0%

\* Equivalent to 8% Vapors Insecticide  
\*\* Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**POISON**

**FIRST AID**

IF SWALLOWED:	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

Note: Have this product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN**

<b>SYMPTOMS &amp; TREATMENT:</b>	<ul style="list-style-type: none"> <li>Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.</li> <li>Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.</li> </ul>

CARDINAL PROFESSIONAL PRODUCTS • P. O. Box T82 • Hollister • CA 95024-0782  
EPA Reg. No. 8236-01 Net Contents EPA Est. 14149-CA-01

EPH

4 21 04

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

**FOR USE IN COMMERCIAL APPLICATION EQUIPMENT:  
CONVENTIONAL OR ULV FOGGING EQUIPMENT**

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Sawtoothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
- Apply only during times when plant is not in operation and no food/feed products are exposed. Bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed-processing surfaces should be covered during treatment or thoroughly cleaned before using.

**NOTE—USE IS PROHIBITED IN:**

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food (including pizza plants and ice cream plants), excluding non-food manufacturing areas.
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including whole fish and oys), frozen food/feed plants (including meat and vegetables), dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally Inspected Meat and Poultry Plants.
- Non-food/feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (no sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**DRUM HANDLING**

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

**APPLICATION**

- The rate of application should be 1 to 2 grams of actual Vapors per 1,000 cubic feet or 1/2 to 1 oz. per 1000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum of a 1-day interval between applications except on cocoa beans and raw finished peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Dräger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 ppm). AIR AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED OR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 24 hours, unless the DDVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM. AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal, per excess pesticide, spray mixture, or insecticide is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.



NOTE TO FILES 8536-40, 41

Called registrant on 4/12/04 and informed her that the applications dated 1/29/04 for both products were unacceptable. The purity of ai in the source product used to formulate these products is [REDACTED]. She used 96%. The csf's and label have to be changed to reflect a [REDACTED] pure product. This applies to both the basic and alternate formulations.

In addition "combustible" needs to be placed at the beginning of the Physical/Chemical Hazard statements based on the flash point of these products.

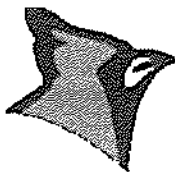
Applicant agreed to make these changes and resubmit.

George LaRocca





17 Jan 13  
2-11-04



## CARDINAL PROFESSIONAL PRODUCTS

P. O. Box 782  
HOLLISTER, CA 95024-0782  
(831) 637-1992 - TEL  
(831) 637-0273 - FAX

January 29, 2004

Mr. George LaRocca, PM # 13  
Office of Pesticide Programs (7504C)  
U. S. Environmental Protection Agency  
1200 Pennsylvania Avenue, N.W.  
Washington, DC 20460

(831) 785-0195  
(831) 785-0195

Subject: *Amendment-Re-entry Statement (California)*  
Card-O-Vap 5, EPA Reg. No. 8536-40  
Card-O-Vap 8, EPA Reg. No. 8536-41

Dear Mr. LaRocca:

This letter is in response to your letter dated January 14, 2004 (copy enclosed). I have made the changes to labeling that you requested. Enclosed please find five copies for each product.

Also, as per your request, I have revised the Confidential Statements of Formula; enclosed please find two copies for each of the above-referenced products. As you suggested, we contacted our supplier to obtain the correct EPA registration number of the DDVP that we use. As I was reviewing the MSDS that was faxed to me (copy enclosed), I noticed that their minimum ai claim is now [REDACTED]. They must have improved the purity of their TGAI, which slightly changes our label claims (from 4.65% to 4.8% for Card-O-Vap 5 and 7.44% to 7.68% for Card-O-Vap 8). I have made the corresponding changes to the certified limits for each product. Please note that the formulations and the percent by weight of each component have not changed.

If you have any questions, please do not hesitate to contact me at (831) 637-1992. Thank you.

Sincerely,

Mardel Rose Belotinsky

Mardel Rose Belotinsky  
Regulatory Affairs Specialist

Copy: Ed Hosoda  
Tom Duafala



**PRECAUTIONARY STATEMENTS  
HAZAROUS TO HUMANS AND DOMESTIC ANIMALS:**

**DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN OR EYES. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

**Applicators and other Handlers Must Wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminata, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with either an organic vapor removing OV cartridge with a prefilter approved for pesticides [MSHA/NIOSH approval number prefix TX-23C] or a canister approved for pesticides [MSHA/NIOSH approval number TC-14G]
- ✓ Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate, do not reuse them.
- ✓ Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- ✓ Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label.

**PHYSICAL/CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

**STATEMENT OF WARRANTY AND LIABILITY**

SELLER WARRANTS THAT THIS PRODUCT COMPLIES WITH THE SPECIFICATIONS EXPRESSED IN THE LABEL. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. SELLER'S LIABILITY FOR DEFECT, BREACH OR FAILURE UNDER THIS LABEL SHALL BE LIMITED TO THE AMOUNT OF THE PURCHASE PRICE. SELLER SHALL HAVE NO LIABILITY FOR CONSEQUENTIAL DAMAGES. January 29, 2004

**CARD-O-VAP 8**

FOR SALE TO, USE AND STORAGE BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY  
NOT FOR USE OR STORAGE IN OR AROUND THE HOME

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES, AND IN THE NONFOOD/FTTO AREAS OF FOOD/FTTO HANDLING ESTABLISHMENTS

**ACTIVE INGREDIENTS:**

2,2-dichlorovinyl dimethyl phosphate (Dichlorvos, DDVP) ..... 1.68%  
Related Compounds ..... 0.32%

**OTHER INGREDIENTS\*\*:**

98.00%

**TOTAL**

100.00%

\* Equivalent to 9H Vapors Insecticide

\*\*Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**FIRST AID**

IF SWALLOWED:	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
IF INHALED:	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN**

<b>SYMPTOMS &amp; TREATMENT:</b>	<ul style="list-style-type: none"> <li>• Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.</li> <li>• Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 18 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.</li> </ul>
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CARDINAL PROFESSIONAL PRODUCTS • P. O. Box 782 • Hollister • CA 95024-D782

EPA Reg. No. 8538-01

Net Contents

EPA Est. 48498-CA-61



**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

**FOR USE IN COMMERCIAL APPLICATION EQUIPMENT:  
CONVENTIONAL OR ULV FOGGING EQUIPMENT**

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed-processing surfaces should be covered during treatment or thoroughly cleaned before using.

**HOTE—USE IS PROHIBITED IN:**

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants, excluding non-food manufacturing areas).
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including whole lots and oysters, frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally Inspected Meat and Poultry Plants.
- Non-Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**DRUM HANDLING**

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate clothing. Open drums slowly to release pressure.

**APPLICATION**

- The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum 10-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND ARIED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Dräger tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 ppm). AFTER CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 21 hours, unless the DDVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND ARIED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN 0.01 PPM. AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE AT OR BELOW 0.01 PPM."

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store product in original container in a cool, dry, locked place out of reach of children

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or empty container is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. CONTAINER DISPOSAL: Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.



Explore Registrations				
Reg Number:	8536-41	Reg. Type:	Product Registration - Section 3	Status: Conditionally Registered (22-Jan-1
Name:	CARDINAL CARD-O-VAP 8			<a href="#">&lt;View Registration Details&gt;</a>
<b>(No New Receipts)</b>				
S:	Submission Type	OPP Rec'd Date	Resubmission	Description

...Decisions...

- D: 337468; 8536-41;300;LABEL REVISION;NO L
- S: 754418 2/10/04; Amendment; 8536
- S: 752110 4/21/03; Amendment; 8536
- D: 173861; 8536-41;345;FORMULA CHANGE;71
- D: 173860; 8536-41;160;NEW REGISTRATION;
- Data Requirements

S: 754418    Reg #: 8536-41

Submission Type: Amendment

Resubmission?: ☒ Yes ☐ No

Decision #: 337468; 300; LABEL REVISION; NO DATA REQUIRED;

Submitter Company: SOIL CHEMICALS CORPORATION

Application Date: 29-Jan-2004

OPP Received Date: 10-Feb-2004    Date Sent to Risk manager: 11-Feb-2004

Studies Included?: ☐ Yes ☒ No    Fast Track?: ☒ Yes ☐ No

Form A Signed? ☐ Yes ☐ No ☒ None    Date:

Form B Signed? ☐ Yes ☐ No ☒ None    Date:

Reviewer: Larocca, George

Received DT:     Editable Due DT:

Admin Due DT: 10-May-2004    Response: 10-Feb-2004

Priority Weight:     Priority Points:

Comments: response to 1/14/04 PA letter



APR 14 2004

Mardel Rose Belotinsky  
Regulatory Affairs Specialist  
Cardinal Professional Products  
Post Office Box 782  
8770 Highway 25  
Hollister, California 95024-0782

Subject: Amendment: Update Label to Reflect Changes to ReEntry Statement for Use in  
California  
Card-O-VAP 5  
EPA Registration Number 8536-40  
Card-O-VAP 8  
EPA Registration Number 8536-41  
Your Submission Dated April 14, 2003

Dear Ms. Belotinsky:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, will be acceptable provided you make the following changes:

1. Add "and in the Nonfood/Feed areas of food/feed handling establishments  
"to the end of the paragraph on the front panel beginning, "For Use in  
Warehouses, Silos . . . etc."
2. Under Environmental Hazards revise the second sentence to read "Do not  
apply directly to water."
3. Move the statement "Not for Use or Storage in or Around the Home" to  
the top front panel beneath the "For Sale to, Use . . . etc., statement."
4. Add "or eyes" to the end of the first sentence under precautionary  
statements.
5. Revise the first aid statements in compliance with PR Notice 2001-1, "First  
Aid Statements on Pesticide Product Labels." Note that due to the



presence of petroleum distillate in the product administration of any liquid is not recommended.

6. Submit a revised confidential statement of formular identifying the correct EPA Registration Number for the source product used to formulate this product, We suggest you contact your supplier in this regard.

We note incorporation of more stringent reentry conditions into treated buildings without PPE as recommended by CAL DPR. Since this proposal represents more restrictive precautionary language we do not object to this labeling for use in California. Note that the Agency has not completed its risk assessment for products containing DDVP. Additional label changes may be required once the assessment is completed.

**This letter does not constitute approval of the application for amended registrations and amended labeling may not be lawfully marketed until it is approved.** To expedite handling, please return a copy of this letter with your finished labeling.

If you have any questions regarding this action please feel free to contact me att (703) 305-6100.

Sincerely yours,

George T. LaRocca  
Product Manager 13  
Insecticide Branch  
Registration Division 7505C

cc: Ann Prichard, Pesticide Registration Division  
Department of Pesticide Regulation  
Post Office Box 4015  
Sacramento, California 95812-4015



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS:  
DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DOVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- **Applications and other handlers must wear:**
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with either an organic vapor removing OX cartridge with a prefilter approved for pesticides (EPA/MSHA/NIOSH approval number 1616, TX-23C) or a canister approved for pesticides (EPA/MSHA/NIOSH approval number TC-14G)
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label. Not for use or storage in or around the home.

**PHYSICAL/CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not apply this product into or on electrical equipment due to the possibility of shock hazard.

**STATEMENT OF WARRANTY AND LIABILITY**

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

April 2, 2003

# CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE  
BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES

**ACTIVE INGREDIENTS**

2,2-dichlorovinyl dimethyl phosphate\* (Dichlorvos, ODVP)

7.44%

Related Compounds

0.55%

**OTHER INGREDIENTS\*\***

92.00%

**TOTAL**

100.00%

\* Equivalent to 8% Vapona Insecticide

\*\* Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**POISON**

**FIRST AID**

IF SWALLOWED: Call a physician or Poison Control Center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration, if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

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**CARDINAL PROFESSIONAL PRODUCTS**

P. O. Box 782 • Hollister • CA 95024-0782

EPA Reg. No. 8536-41

Net Contents

EPA Est. 48498-CA-01

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

**FOR USE IN COMMERCIAL APPLICATION EQUIPMENT:  
CONVENTIONAL OR ULV FOGGING EQUIPMENT**

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.

- Raw commodities would include: Animal feed, coffee beans, dried beans, gram crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.

When used in food/feed processing, food/feed manufacturing, handling and storage areas:

- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed-processing surfaces should be covered during treatment or thoroughly cleaned before using.

**NOTE—USE IS PROHIBITED IN:**

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/fees (including pizza plants and ice cream plants), producing non-food manufacturing areas.
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants), producing non-food processing areas.
- Federally Inspected Meat and Poultry Plants.
- Non-Food/Feed Processing Areas include areas such as garages, rooms, lavatories, floor drains (to sewer entries and washbasins, offices, locker rooms, machine rooms, boiler rooms, galleys, mop closets and storage (for re-canning or bottling).

**DRUM HANDLING**

Handle carefully to prevent damage and leakage. Open drums only when set on and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open drums slowly to release pressure.

**APPLICATION**

- The rate of application should be 1 to 2 gallons of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to ensure proper dosage has been applied. Keep a minimum of a 7-day interval between applications except on crops and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of feedstock. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g., a Dräger Tubel) INDICATES THAT THE DOVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL 10.1 ppm. AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON \_\_\_\_ DATE." AM OR PM ON \_\_\_\_ DATE WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DOVP ARE 50% OF THE PEL OR LESS."
- In California, the building cannot be reentered without personal protection for 24 hours, unless the DOVP air concentration is 0.01 ppm or less. WARNING signs should read: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS, OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE INDICATES THAT THE DOVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 0.01 PPM. AN AIR CONCENTRATION OF 0.01 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_ AM OR PM ON \_\_\_\_ DATE WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DOVP ARE AT OR BELOW 0.01 PPM."

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Metal: Triple rinse for equipment. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse for equipment. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.



Explore Registrations				
Reg Number:	8536-41	Reg. Type:	Product Registration Section 3	Status:
Name:			CARDINAL CARD-O-VAP 8	<View Registration Details>
(No New Receipts)				
S.	Submission Type	OPP Rec'd Date	Resubmission	Description
<div> <div> ...Decisions... <ul style="list-style-type: none"> <li>D: 337468; 8536-41;300;LABEL REVISION;NO DATA REQUIRED</li> <li>S: 752110; 4/21/03; Amendment; 8536</li> <li>D: 173861; 8536-41;345;FORMULA CHANGE;7/1/03</li> <li>D: 173860; 8536-41;160;NEW REGISTRATION;7/1/03</li> <li>Data Requirements</li> </ul> </div> <div> S: 752110 Reg #: 8536-41 <p>Submission Type: Amendment</p> <p>Resubmission?: <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Decision #: 337468, 300;LABEL REVISION;NO DATA REQUIRED;</p> <p>Submitter Company: SOIL CHEMICALS CORPORATION</p> <p>Application Date: 14-Apr-2003</p> <p>OPP Received Date: 21-Apr-2003 Date Sent to Risk manager: 30-Apr-2003</p> <p>Studies Included?: <input type="radio"/> Yes <input checked="" type="radio"/> No Fast Track?: <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Form A Signed? <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> None Date: </p> <p>Form B Signed? <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> None Date: </p> <p>Reviewer: Larocca, George</p> <p>Received DT: 30-Apr-2003 Editable Due DT: </p> <p>Admin Due DT: 20-Jul-2003 Response: 12-Jan-2004</p> <p>Priority Weight: Priority Points: </p> <p>Comments: added additional precautionary language regarding reentry per review from CAL DPR</p> </div> </div>				



S: 752110

Regulatory Type: Product Registration - Section 3

Regulation: ☐ Yes ☒ No

Print Letter

Enter More Information

Application Type: Amendment

Company: 8536 SOIL CHEMICALS CORPORATION

V

Risk Manager: Registration Division, Risk Management Team 13

Product #: 8536-41

Product Name: CARDINAL CARD-O-VAP 8

Override:

Me Too

Section3:

Me Too

Product Name:

Application Date: 14-Apr-2003

i

OPP Rec'd Date: 21-Apr-2003

i

Front End Date: 21-Apr-2003

i

Risk Manager Send Date: 30-Apr-2003

i

Fast Track: ☐ Studies: ☐ New Ingredient: ☐

Receipt Description:

New Ingredient

Request Date:

New Ingredient

Received Date:

Form A: ☐

Signature Date:

Form B: ☐

Signature Date:





Paul E. Helliker  
Director

# Department of Pesticide Regulation

George 7/28/03



Gray Davis  
Governor

Winston H. Hickox  
Secretary, California  
Environmental  
Protection Agency

July 11, 2003

Ms. Linda Arrington, Ombudsman  
Registration Division (7505C)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, N. W.  
Washington, D.C. 20460

Dear Ms. Arrington:

## Submission of a Label Under the U.S. EPA/DPR Label Revision Project

Enclosed for your review and approval are amended labels for two of Cardinal Chemical Company's products, Card-O-Vap 5, EPA Reg. No. 8536-40 and Card-O-Vap 8, EPA Reg. No. 8536-41.

Enclosed are:

- Cover letter from Cardinal Professional Products, dated April 14, 2003.
- Four copies of each proposed amended label (one copy with revisions highlighted);
- A copy of the currently approved federal product label for each product;
- Department of Pesticide Regulation (DPR) label reviews, dated June 18, 2003, indicating that the product labels as amended address DPR's concerns.

During the risk assessment of all products containing dichlorvos (DDVP), DPR determined that unacceptable occupational exposures could occur as a result of the use of certain non-strip DDVP pesticide products. Specifically, with regard to Cardinal Chemical Company's products Card-O-Vap 5 and Card-O-Vap 8, DPR was concerned that the product labels allowed reentry into treated buildings without personal protective equipment (PPE) at air concentrations of 0.05 ppm. Data reviewed by DPR indicates that the maximum air concentration for which entry should be allowed without PPE is 0.1 ug/L DDVP or 0.01 ppm.

Based on DPR's findings, Cardinal Chemical Company voluntarily agreed to amend their product labels to add a separate reentry provision for use in California. The revised provision

**FLEX YOUR POWER!** For simple ways to reduce energy demand and costs, see <[www.cdpr.ca.gov](http://www.cdpr.ca.gov)>.



1001 I Street • P.O. Box 4015 • Sacramento, California 95812-4015 • [www.cdpr.ca.gov](http://www.cdpr.ca.gov)

A Department of the California Environmental Protection Agency



Ms. Linda Arlington  
July 11, 2003  
Page 2

would prohibit reentry into treated buildings without PPE for 24 hours or until air concentrations are 0.01 ppm or less.

If the amended labels are acceptable, please return a stamped approved copy of the revised labels at your earliest convenience to:

Attn: Ann Prichard  
Pesticide Registration Branch  
Department of Pesticide Regulation  
P.O. Box 4015  
Sacramento, California 95812-4015  
Fax: (916) 324-5872

If you have any questions, please contact me by e-mail at [aprichard@cdpr.ca.gov](mailto:aprichard@cdpr.ca.gov) or by telephone at (916) 324-3931.

Sincerely,



Ann M. Prichard  
Senior Environmental Research Scientist  
Pesticide Registration Branch

Enclosures

cc: Ms. Rachel Naves (w/ enclosures)

22





# Cardinal

## Professional Products

April 14, 2003

Ms. Ann Prichard  
Senior Environmental Research Scientist  
Pesticide Registration Branch  
Department of Pesticide Regulation  
1101 I Street, P. O. Box 4015  
Sacramento, CA 95812-4015

Re: Card-O-Vap 5, EPA Reg. No. 8536-40  
Card-O-Vap 8, EPA Reg. No. 8536-41

Dear Ms. Prichard:

As per a letter from Mr. Barry Cortez, dated February 28, 2003, we are submitting amended labeling for the above-referenced products. We have chosen to mitigate the hazards associated with the use of DDVP by adding a paragraph to the Directions for Use section (see highlighted copies "In California..."). Enclosed are four copies of proposed labeling for each product.

If you have any questions or need further information, please do not hesitate to contact me.

Sincerely,

*Mardel Rose Belotinsky*

Mardel Rose Belotinsky  
Regulatory Affairs Specialist

mrb

Enclosures

Copy: Ed Hosoda  
Tom Duafala





Paul E. Helliker  
Director

# Department of Pesticide Regulation



Gray Davis  
Governor

Winston H. Hickox  
Secretary, California  
Environmental  
Protection Agency

## MEMORANDUM

TO: Rachel Kubiak, Pesticide Use Specialist  
FROM: Worker Health and Safety Branch  
DATE: June 18, 2003  
SUBJECT: PESTICIDE PRODUCT LABEL EVALUATION

PRODUCT NAME : Card-O-Vap 5  
ACTIVE INGREDIENT(S) : 2,2-dichlorovinyl dimethyl phosphate (7.44%)  
-- also known as dichlorvos or DDVP --  
I.D. NUMBER : 199870  
DOCUMENT NUMBER : N/A  
EPA REGISTRATION NO. : 8536-41  
COMPANY NAME : Cardinal Professional Products

REGISTRATION TYPE: Section 3

LABEL AMENDMENT: Yes ☒ No ☐

JUSTIFICATION/ADDITIONAL DATA REQUIRED: Yes ☐ No ☒

PROPOSED REGISTRATION ACTION: Register

U.S. EPA RED ISSUED FOR THIS A.I.: Yes ☒ No ☐

### SUMMARY OF REGISTRATION REQUEST:

Cardinal Professional Products is requesting registration of an amended label for their product "Card-O-Vap 8," which contains the active ingredient DDVP. This product is applied via conventional or ULV commercial fogging equipment and is intended to control various insect pests in warehouses, silos, bulk bins and food/feed processing, food/feed manufacturing, handling and storage plants containing non-perishable, packaged or bagged raw or processed food/feed commodities or bulk raw or processed food commodities. There are no labeled agricultural uses.

In response to a 1996 Risk Characterization Document (RCD) for DDVP which identified unacceptable MOE's for certain exposure scenarios (Lim et. al. 1996), a Risk Mitigation Proposal was completed in 2002 (Formoli, 2002). This proposal required amended precautionary language on all DDVP product labels. The registrant has submitted a revised label for "Card-O-Vap 8" in order to comply with these mitigation measures. Specifically, a





Rachel Kubiak  
ID No.: 199869  
June 18, 2003  
Page 2

paragraph was added to the "Directions for Use" section of the label, which states "In, California, the building cannot be reentered without PPE for 24 hours, unless the DDVP air concentration is  $\leq 0.01$  ppm." Requirements for warning signs are also included in this paragraph.

This registration package was not routed to the Medical Toxicology Branch for their review. The Registration Branch has requested that the Worker Health and Safety (WHS) Branch review the registration package to determine whether the label statements are acceptable and in compliance with the revised reentry and exposure guidelines set forth by DPR regarding DDVP.

**BASIS FOR PROPOSED ACTION:**

The proposed product label is consistent with current WHS guidelines regarding statements associated with pesticide exposure and safety. The additional precautionary language included in the revised label complies with the mitigation measures prescribed in the DPR risk mitigation proposal.

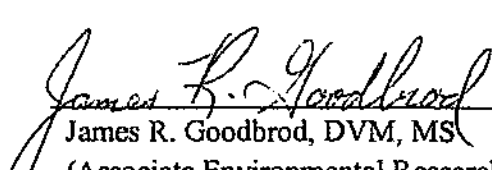
**ADDITIONAL COMMENTS:**

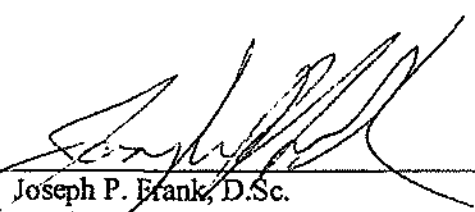
- 1) Since this product was previously registered, no acute toxicity data was submitted with this registration package. However, from the WHS perspective, the label meets all worker safety requirements since all pertinent label language reflects an acute Toxicity Category I product.
- 2) This product is a cholinesterase inhibitor and contains petroleum distillates. Both of these hazards have been adequately addressed in the "Note to the Physician" and other required precautionary language.

**REFERENCES:**

Formoli, Tareq A. January, 2002. Dichlorvos (DDVP): Mitigation Proposal for Reduction of Human Exposure. HS-1738. Worker Health and Safety Branch, Cal/EPA, Department of Pesticide Regulation, Sacramento, CA..

Lim, L.O., Aldous, C.N., Gee, J.F., Fong, H.R., Formoli, T.A. and Rech C.J. 1996. DDVP Risk Characterization Document. Medical Toxicology and Worker Health and Safety Branches, DPR, Sacramento, CA.

  
James R. Goodbrod, DVM, MS  
(Associate Environmental Research Scientist)

  
Joseph P. Frank, D.Sc.  
(Senior Toxicologist)



300-62

George LaRocca  
9/24/01

**CARDINAL**  
**PROFESSIONAL PRODUCTS**  
 P. O. BOX 782  
 HOLLISTER, CA 95024-0782  
 (831) 637-1992 - TEL.  
 (831) 637-0273 - FAX

September 11, 2001

Mr. George LaRocca, PM #13  
 Office of Pesticide Programs (7504C)  
 U.S. Environmental Protection Agency  
 Ariel Rios Building  
 1200 Pennsylvania Avenue, N.W.  
 Washington, DC 20460

Re:	<u>Product</u>	<u>Old EPA Reg. No.</u>	<u>New EPA Reg. No.</u>
	CARD-O-VAP 5	5440-120	8536-40
	CARD-O-VAP 8	5440-121	8536-41

Dear Mr. LaRocca:

In a letter dated May 11, 2001, from Donna G. Parker, the U.S. Environmental Protection Agency approved the transfer of the above-referenced product registrations from Cal Ag Industrial Supply, Inc., dba Cardinal Chemical Company, company number 5440, to Soil Chemicals Corporation dba Soil Chemicals Corporation Products/SCC Products, company number 8536, see copies of letters to and from USEPA, enclosed.

The USEPA also processed a request for a change in our Official EPA Company Name and Address of record, see copies of correspondence, also enclosed. Soil Chemicals Corporation is now doing business as Cardinal Professional Products.

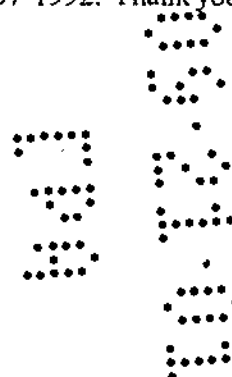
Although, as per PR Notice 98-10, we are not required to submit labeling to the Agency for these types of changes, I am submitting one copy each of the revised labeling and CSF for each product, in order to update your files and to eliminate any confusion associated with these changes, which include only the company name and address, EPA registration numbers, date of the labeling, and slight formatting changes. If you have any questions, please call me at (831) 637-1992. Thank you.

Sincerely,

*Mardel Rose Belotinsky*

Mardel Rose Belotinsky  
 Regulatory Affairs Specialist

Copy: John Sansone, Ed Hosoda, Tom Duafala





# **PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: DANGER**

FATAL IF SWALLOWED, INHALED OR ADSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DOVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

## **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Activities and Other Hazards Must Wear:**
- Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Butyl Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
  - Respirator with either an organic vapor removing ON cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TK-53C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-11G)
  - Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **WASH** reuse them.
  - Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
  - Keep and wash PPE separately from other laundry.

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label. Not for use or storage in or around the home.

## **PHYSICAL/CHEMICAL HAZARDS**

Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

# **CARD-O-VAP 8**

FOR SALE TO, USE AND STORAGE  
BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES

## **ACTIVE INGREDIENTS**

2,2-dichlorovinyl dimethyl phosphate\* (Dichlorvos, DOVP)

7.44%

Related Compounds

0.56%

## **OTHER INGREDIENTS\*\***

92.00%

## **TOTAL**

100.00%

\* Equivalent to 8% Vapona Insecticide

\*\*Contains Petroleum Distillates

## **KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**POISON**

**PELIGRO**

## **FIRST AID**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.  
**IF INHALED:** Remove victim to fresh air. Apply artificial respiration, if indicated.  
**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.  
**IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately.  
**ANTIDOTE AND FIRST AID TREATMENT:** ATROPINE is the emergency antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. Keep patient prone and quiet. Start artificial respiration if patient is not breathing. Transport the patient immediately to the nearest physician.  
**NOTE TO PHYSICIAN:** **SYMPTOMS:** Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. **TREATMENT:** Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.  
See Side Panel T for Additional Precautionary Statements

## **CARDINAL PROFESSIONAL PRODUCTS**

P. O. Box 782 • Hollister • CA 95024-0782

EPA Reg. No. 8536-41

EPA Est. 48498-CA-01

## **Directions for Use, continued**

## **FOR USE IN COMMERCIAL APPLICATION EQUIPMENT: CONVENTIONAL OR ULV FOGGING EQUIPMENT**

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

- The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.
- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: Flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: chemically treated foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

## **NOTE—USE IS PROHIBITED IN:**

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks, frozen food/ feed) including pizza plants and ice cream plants, excluding non-food manufacturing areas.
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including eviscerating and oiling), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants, excluding inspected Meats and Poultry Plants).
- Non-Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewer entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after cleaning or bottling).

## **DRUM HANDLING**

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

## **APPLICATION**

- The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum of a 7-day interval between applications except on cocoa beans and to which shells/peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.
- All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g., a Dräger tube) INDICATES THAT THE DOVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1 ppm); AN AIR CONCENTRATION OF 0.65 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO 8 AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DOVP ARE 50% OF THE PEL OR LESS."

## **STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.  
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the nearest Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
**CONTAINER DISPOSAL:** Metal, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic, triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## **STATEMENT OF WARRANTY AND LIABILITY**

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for defect, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages. September 12, 2001





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

May 11, 2001

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Stanley E. Iverson  
Soil Chemicals Corporation Products  
P.O. Box 782  
Hollister, CA 95024

Dear Mr. Iverson:

Subject: Transfer of Pesticide Registrations and Data From  
Company Number 5440 to Company Number 8536

Pursuant to your request in your letter and transfer agreement of April 17, 2001, we have approved the transfer of the following registrations and data from Cardinal Chemical Company, company number 5440, to Soil Chemicals Corporation Products, company number 8536.

The effective date of these changes is the date of this letter.

<u>Registered Products</u>	<u>Old EPA Reg. No.</u>	<u>New EPA Reg. No.</u>
Premium Grade CARD-O-SECT #25	5440-99	8536-31
NE-1 Insecticide	5440-100	8536-32
Thermal Fogging Insecticide Type M	5440-106	8536-33
Cardinal 3% Insecticide	5440-109	8536-34
Cardinal Food Plant 5-1 Insecticide	5440-113	8536-35
Cardinal 25-5 Insecticide	5440-115	8536-36
Cardinal food Plant Concentrated Fogging Insecticide	5440-117	8536-37
Cardinal 1-2-3 Insecticide	5440-118	8536-38
Cardinal 3-6-10 Insecticide	5440-119	8536-39
Card-O-Vap 5	5440-120	8536-40
Card-O-Vap 8	5440-121	8536-41

You should indicate the new company designation, new EPA Registration Number and new Establishment Number (if it has changed) on the labeling at the next printing which should occur no later than 18 months after the effective date of this



transfer. After 18 months, any product released for shipment must bear the new Registration Number and Establishment Number. If you intend to use the labels which currently appear on the transferor's product after the effective date of the transfer, but within the 18 month grace period, you must maintain complete and accurate records which identify by batch number, lot number, or other suitable description the quantities of such product bearing the transferor's label. Each container or package bearing the transferor's label which is released after the effective date of product registration transfer, must be clearly and accurately marked with the batch number, lot number or other descriptive designation used to identify the product in your records.

Supplemental distribution agreements of registered products do not transfer with the Section 3 registration. It is your responsibility as the registrant to notify any and all supplemental distributors of the transferred product(s) of this transfer agreement. If you wish to enter into supplemental distribution agreements of your product(s) under this new registration, the form "Notice of Supplemental Distribution of a Registered Pesticide Product," EPA Form 8570-5, must be submitted to the Agency for each supplemental distributorship.

You are required to contact your local EPA Regional Office to determine what effect this transfer of pesticide registrations has on the pesticide production establishment registration.

It will not be necessary to submit labeling for review if the only changes are in the company designation and the EPA Registration Number. Other changes in the product and/or labeling may require EPA review and approval prior to initiation. In any correspondence on these products always refer to the U.S. EPA Registration Number listed above.

The transferred registration will have the same status under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, 7 USC 136 et seq., as it had prior to the approval of this transfer.

When registrations are transferred from one company to a second company, all restrictions, data requirements, conditions (suspensions), and deadlines existing on the registrations are transferred with the registrations. The new company is responsible for adhering to or complying with all such restrictions, etc. on the acquired products.

In regard to deadlines, the transferee company is responsible for submitting all required data according to the schedules already established for the acquired products. Failure to do so will result in the issuance of a Notice of Intent to Suspend. Requests from transferee companies for additional time



to submit, because they acquired the registration(s) after the 3(c)(2)(B) request was issued will not be granted. If a transferee company has other valid reasons for delays in the testing which were clearly outside of their control, then such requests for time extensions will be considered in accordance with the established procedures. Transfers occurring while a 3(c)(2)(B) request is being issued or during the 90-day response time are subject to the same conditions expressed above.

Registration is in no way to be construed as an endorsement or approval of these products by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with FIFRA.

Furthermore, the transfer of the subject registrations is approved under the condition that the annual maintenance fee obligation has been fully satisfied. The marginal maintenance fee is determined based solely on the total number of active section 3 and section 24(c) registrations held by the transferor. If the annual maintenance fee has not been fully satisfied, the transferee and transferor will be notified to comply within a specified time period or the affected registrations may be canceled.

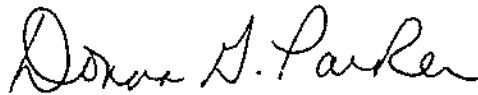
The Agency acknowledges it has received a request for data transfer dated April 17, 2001 to transfer data ownership from the transferor to the transferee. The data transfer is effective the date of this letter. After this date Soil Chemicals Corporation Products will be considered the data owner. This action will not automatically reflect on the Data Submitters List. If you want to be added to the Data Submitters List, you must submit a request to:

Document Processing Desk (DSL)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460-0001



By copy of this letter we are informing the transferor of these changes. If you have any questions about this transfer approval please contact me at (703) 305-6474.

Sincerely,



Donna G. Parker  
Information Management Specialist  
Information Services Branch  
Information Resources & Services Div. (7504C)

cc: Mr. Ed Hosoda  
Cardinal Chemical Company  
P.O. Box 782  
Hollister, CA 95024-0782





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number  
**230106**

### Application for Pesticide - Section I

1. Company/Product Number <b>5440-121</b>	2. EPA Product Manager <b>George LaRocca</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>CARD-O-VAP 8</b>	PM# <b>13</b>	
5. Name and Address of Applicant (Include ZIP Code) <b>Cardinal Chemical Company P. O. Box 782 Hollister, CA 95024-0782</b> <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated <b>PR Notice 98-10</b>
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

2 copies enclosed.

### Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
3. Location of Nat Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container	4. Size(s) Retail Container <b>1, 2-<math>\frac{1}{2}</math>, 5, 30, 55-gal.</b>	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>Mardel Rose Belotinsky</b>	Title <b>Regulatory Affairs Specialist</b>	Telephone No. (Include Area Code) <b>(831) 637-8093</b>
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 
2. Signature 	3. Title <b>Regulatory Affairs Specialist</b>	
4. Typed Name <b>Mardel Rose Belotinsky</b>	5. Date <b>October 11, 2000</b>	





# CARDINAL

## CHEMICAL COMPANY

### PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: **DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- **Applications and other Handlers Must Wear:**
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminated, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Vam
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
- Respirator with either an organic vapor removing ON cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TK-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TK-14C)
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **Do not** reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label. Not for use or storage in or around the home.

#### PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE  
BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEEF PROCESSING, FOOD/FEEF MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEEF COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES

#### ACTIVE INGREDIENTS

2,2-dichlorovinyl dimethyl phosphite\* (Dichlorvos, DDVP)

T.44%

Related Compounds

0.56%

#### INERT INGREDIENTS\*\*

92.00%

#### TOTAL

100.00%

\* Equivalent to 8% Vapona Insecticide

\*\*Contains Petroleum Distillates

### KEEP OUT OF REACH OF CHILDREN

**DANGER**



**PELIGRO**

**POISON**

#### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration, if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

ANTIDOTE AND FIRST AID TREATMENT: ATROPINE is the emergency antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. Keep patient prone and quiet. Start artificial respiration if patient is not breathing. Transport the patient immediately to the nearest physician.

NOTE TO PHYSICIAN: **SYMPTOMS:** Symptoms include weakness, headache, tightness in chest, blurred vision, non-reactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. **TREATMENT:** Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.

See Side Panel For Additional Precautionary Statements

CARDINAL CHEMICAL COMPANY

1233 E. Beamer Street - Woodland, CA 95776

MU12761-V

EPA Reg. No. 5440-121

EPA Est. No. 48498-CA-01

**PROTECTING THE FOODS THAT FEED THE NATION**

#### Directions for Use, continued

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### FOR USE IN COMMERCIAL APPLICATION EQUIPMENT:

##### CONVENTIONAL OR ULV FOGGING EQUIPMENT

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.

- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers
- Processed food/feed does not include: thermally sealed foods or manufactured dairy products and other processed food feed requiring freezing or refrigeration.

When used in food/feed processing, food/feed manufacturing, handling and storage areas:

- Apply only during times when plant is not in operation and no food/feed product is exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed-processing surfaces should be covered during treatment or thoroughly cleaned before using.

#### NOTE—USE IS PROHIBITED IN:

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants, excluding non-food manufacturing areas)
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants, excluding non-food processing areas)
- Federally Inspected Meat and Poultry Plants.
- Non Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewers, drains and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

#### TREATMENT/REENTRY

All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g., a Draeger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1ppm); AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED TO REENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO AM OR PM ON (Date) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."

#### DRUM HANDLING

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open drums slowly to release pressure.

#### APPLICATION

The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank before and after treatment to assure proper dosage has been applied. Keep a minimum of a 1-day interval between applications except on cocoa beans and raw (unroasted) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 50 degrees F.

#### STATEMENT OF WARRANTY AND LIABILITY

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for damage, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

CLM 26 1009





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

230106

15 A 4-2

## Application for Pesticide - Section I

1. Company/Product Number 5440-121	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CARD-O-VAP 8	PM# Q3	
5. Name and Address of Applicant (Include ZIP Code) Cardinal Chemical Company P. O. Box 782 Hollister, CA 95024-0782  <input checked="" type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

## Section - II

## NOTIFICATION

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOV 12 1999

Explanation: Use additional page(s) if necessary. (For section I and Section II.) Notification per PR Notice 98-10. In accordance with 40 CFR 152.122, we are notifying EPA of a change in mailing address to the above, and a change in designated agent to the undersigned. Please direct all correspondence and notices for Cardinal Chemical Company, Company Number 5440, to my attention at this address. Labeling will bear the street address where product is kept: 1233 E. Beamer Street, Woodland, CA 95776.

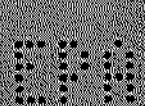
## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
If "Yes" Unit Packaging wgt. No. per container			If "Yes" Package wgt. No. per container	<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Nat Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1, 2-1/2, 5, 30, 55-gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point [Complete items directly below for identification of individual to be contacted, if necessary, to process this application.]		
Name Mardel Belotinsky	Title Regulatory Affairs Specialist	Telephone No. (include Area Code) (831) 637-0273
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Mardel Belotinsky</i>	3. Title Regulatory Affairs Specialist	
4. Typed Name Mardel Belotinsky	5. Date October 26, 1999	





# CARDINAL

## CHEMICAL COMPANY

NOTIFICATION

NOV 12 1999

### PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: **DANGER**

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (ODVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applicators and other Handlers Must Wear:
  - Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron secured for mixing/loading and cleaning equipment
  - Respirator with either an organic vapor removing ON cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TA-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G)
- Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.
- Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
- Keep and wash PPE separately from other laundry.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label for use or storage in or around the home.

#### PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE  
BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, NAMING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES

#### ACTIVE INGREDIENTS

2,2-dichlorovinyl dimethyl phosphate\* (Dichlorvos, DOVP) 7.44%

Related Compounds 0.56%

#### INERT INGREDIENTS\*\*

TOTAL 92.00%

\* Equivalent to 8% Vocon Insecticide

\*\* Contains 10% Calcium Disulfates

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

#### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Because of its aspiration potential, do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.

**IF INHALED:** Remove victim to fresh air. Apply artificial respiration, if indicated.

**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately.

**ANTIDOTE AND FIRST AID TREATMENT:** ATROPINE is the emergency antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. Keep patient prone and quiet. Start artificial respiration if patient is not breathing. Transport the patient immediately to the nearest physician.

**NOTE TO PHYSICIAN:** **SYMPTOMS:** Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. **TREATMENT:** Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. There are signs of parasympathetic stimulation. Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 mg. until complete parasympathetic stimulation has occurred. 2-PAM is also an antidote and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.

See Side Panel For Additional Precautionary Statements

CARDINAL CHEMICAL COMPANY

1233 E. Beamer Street - Woodland, CA 95776

EPA Reg No. 5440-r21

EPA Est. No. 48495-CA-01

PROTECTING THE FOODS THAT FEED THE NATION

#### Directions for Use, continued

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or empty container is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER DISPOSAL:** Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### FOR USE IN COMMERCIAL APPLICATION EQUIPMENT: CONVENTIONAL OR ULV FOGGING EQUIPMENT

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.

- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: Flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.

When used in food/feed processing, food/feed manufacturing, handling and storage areas:

- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

#### NOTE—USE IS PROHIBITED IN:

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants, excluding non-food manufacturing areas).
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible (lits and oils) frozen food/feed plants including fruit and vegetables; dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally inspected Meat and Poultry Plants.

\*Non-Food/Feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewers, entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after cleaning or bottling).

#### TREATMENT/REENTRY

All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY FOR UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Draeger Tube) INDICATES THAT THE DOVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 5% OF THE PEL (3.1ppm); AN AIR CONCENTRATION OF 0.65 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO 8 AM OR PM ON [Date] WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DOVP ARE 5% OF THE PEL OR LESS."

AM OR PM ON [Date] WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DOVP ARE 5% OF THE PEL OR LESS."

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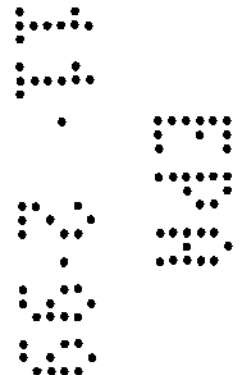
AM OR PM ON [Date] WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DOVP ARE 5% OF THE PEL OR LESS."



This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**NOTIFICATION**

NOV 12 1999





Ms. Mardel Belotinsky  
Cardinal Chemical Company  
P.O. Box 782  
Hollister, CA 95024-0782

FEB - 9 1999

Dear Ms. Belotinsky:

Subject: Amendment - Revise Confidential Statement of Formula  
Card-O-Vap 5  
EPA Registration Number 5440-120  
Card-O-Vap 8  
EPA Registration Number 5440-121  
Your submission dated January 29, 1999

The amendments referred to above, submitted in connection with registrations under FIFRA section 3(c)(7)(a), are acceptable and each revised Confidential Statement of Formula has been added to the appropriate product's registration file.

Sincerely,

George T. LaRocca  
Product Manager 13  
Insecticide/Rodenticide Branch  
Registration Division (7505C)





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☒ Amendment  
☐ Other

OPP Identifier Number

230081

## Application for Pesticide - Section I

1. Company/Product Number 5440-121	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Card-O-Vap 8	PM# 03	
5. Name and Address of Applicant (Include ZIP Code) Cardinal Chemical Company P. O. Box 782 Hollister, CA 95024-0782 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

## Section - II

<input checked="" type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input checked="" type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Minor Formulation Amendment per PR Notice 98-10: adding and/or substituting inert ingredients used as solvents (see letter attached).

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify)	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1; 2.5; 5; 30; and 55-gal.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label Is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Mardel Belotinsky	Title Regulatory Affairs Specialist	Telephone No. (Include Area Code) (833) 637-0195
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 
2. Signature 	3. Title Regulatory Affairs Specialist	
4. Typed Name Mardel Belotinsky	5. Date 1-29-99	



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). (If not exempted by 40 CFR 152.81 (b) (4));
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in on 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retoll container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me too" reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.



\*Product ingredient source information may be entitled to confidential treatment\*

A \*Inert ingredient information may be entitled to confidential treatment\*



January 29, 1999

PROTECTING THE  
FOODS THAT FEED  
THE NATION

1233 E. Beamer St.  
Suite G  
Woodland, CA 95776  
(916) 666-1288  
(800) 715-1777

Minor Formulation Review Coordinator  
Registration Support Branch  
Office of Pesticide Programs (AMEND)  
U. S. Environmental Protection Agency  
401 M Street, S.W.  
Washington, DC 20460-0001

Re: Card-O-Vap 5, EPA Reg. No. 5440-120  
Card-O-Vap 8, EPA Reg. No. 5440-121 ✓

To whom it may concern:

Enclosed, please find the following for each of the above-referenced products:

1. EPA Form 8570-1
2. CSF for existing formulation (1 copy)
3. CSF for proposed formulation (2 copies)

Also included is the manufacturer's MSDS for [REDACTED] which in both cases we wish to use instead of the [REDACTED]. The purposes for this change are 1) [REDACTED]

[REDACTED] In the case of Card-O-Vap 5, we are also adding [REDACTED] as an inert. All inerts are used as solvents.

In addition, I am enclosing a letter from U. S. EPA to [REDACTED] stating that the ingredients in [REDACTED] are considered to be exempted from the requirements of a tolerance under 40 CFR §180.1001(d) and (e); as well as a letter from [REDACTED] who purchases [REDACTED] and resells the product under their trade name of [REDACTED]

I believe these changes will qualify for accelerated review since we are only adding and/or substituting inert ingredients, and the nominal concentrations of active ingredient do not change. If there is anything else you need to process these amendments, please contact me at your earliest convenience at (831) 637-0195. Thank you.

Sincerely,

*Mardel Belotinsky*

Mardel Belotinsky  
Regulatory Affairs Specialist



2-5-99  
app# 730081  
556349

FRONT END PROCESSING APPLICATION INFORMATION CHECK

PM 03  
EPA COMPANY NUMBER 5440-121  
EPA REGISTRATION NUMBER  
STATUS (FOR AMENDMENTS) Active ✓ Cancelled \_\_\_\_\_  
Not in REFS \_\_\_\_\_  
"ME-TOO" CITED PRODUCT STATUS Active \_\_\_\_\_ Cancelled \_\_\_\_\_  
Not in REFS \_\_\_\_\_  
PRAT RECORD CREATED \_\_\_\_\_



AMENDMENT

*EXP# 230081*

APPLICATION FOR AMENDMENT

WITH DATA

INIT. DATE

FEU \_\_\_\_\_

SIG (DATA) \_\_\_\_\_

PM \_\_\_\_\_

NO DATA

INIT DATE

FEU *LEV* *2-5-99*

PM *03*





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

02/05/99

MARDEL BELOTINSKY  
CARDINAL CHEMICAL CO  
P.O. BOX 782  
HOLLISTER CA 95024

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

PRODUCT NAME: CARD-O-VAP 8  
COMPANY NAME: CARDINAL CHEMICAL CO  
OPP IDENTIFICATION NUMBER: 230081  
EPA REGISTRATION NUMBER: 5440-121  
EPA RECEIPT DATE: 02/03/99

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Insecticide Branch, Product Manager 03, at (703) 305-6891.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. W. Wince".

Front End Processing Staff  
Information Services Branch  
Information Resources and Services Division





United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number  
230059

### Application for Pesticide - Section I

1. Company/Product Number 5440-121	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CARD-O-VAP 8	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Cardinal Chemical Company P. O. Box 782 Hollister, CA 95024  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  JUN 26 1998
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of minor label changes, such as address, establishment and format. Also correction of typos and printing errors, which do not require notification. This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product.

### Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1, 2.5, 5, 30 & 55-ga.	
5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)				
Name Mardel Belotinsky		Title Regulatory Affairs Specialist		
		Telephone No. (Include Area Code) (408) 637-0195		
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)  SIC 11/6/98	
2. Signature 		3. Title Registration Manager		
4. Typed Name Stan Iversen		5. Date 6/17/98		



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed labels on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A - Check the appropriate action for which you are submitting this form.**

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registration, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III (Packaging and Container Information)** - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV (Contact Point)** - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, reregistration, etc.

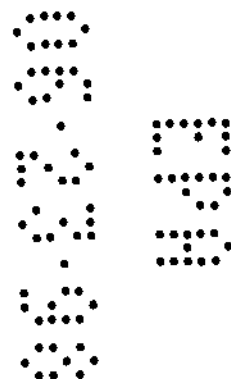
- 1-5. Self-explanatory.
6. EPA Use Only.



EPA Form 8570-I

Section II Explanation, continued

I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.







# CARDINAL

CHEMICAL COMPANY

NOT A GUN  
JUN 26 1998

## PRECAUTIONARY STATEMENTS HAZARD TO HUMANS AND DOMESTIC ANIMALS: DANGER

FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO OICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions of category "C" on an EPA chemical resistance category selection chart in the Worker Protection Standard.

- Applications and other Handlers Must Wear:**
- Coveralls over long-sleeved shirt and long pants
  - Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
  - Chemical-resistant footwear plus socks
  - Protective eyewear
  - Chemical-resistant headgear for overhead exposure
  - Chemical-resistant apron required for mixing/loading and cleaning equipment
  - Respirator with either an organic vapor removing DN cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G)
  - Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate; do not reuse them.
  - Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water.
  - Keep and wash PPE separately from other laundry.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washing water. Only this product only is specified by the label. Not for use or storage in or around the home.

### PHYSICAL/CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not apply this product in or on electrical equipment due to the possibility of shock hazard.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE  
BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY

FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES

ACTIVE INGREDIENTS	
2,2-dichlorovinyl dimethyl phosphale* [Dichlorvos, DDVP]	7.44%
Related Compounds	0.55%
INERT INGREDIENTS**	
TOTAL	92.00%
* Equivalent to 8% Vapona Insecticide	100.00%
** Contains Petroleum Distillates	

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.  
IF INHALED: Remove victim to fresh air. Apply artificial respiration, if indicated.  
IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.  
IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.  
ANTIDOTE AND FIRST AID TREATMENT: ATROPINE is the emergency antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. Keep patient prone and quiet. Start artificial respiration if patient is not breathing. Transport the patient immediately to the nearest physician.  
NOTE: 70 PHYSICIAN: SYMPTOMS: Symptoms include weakness, headache, lightheadness in chest, blurred vision, non-reactive pupils, salivation, vomiting, diarrhea and abdominal cramps. TREATMENT: Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2 PPM is the standard and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 24 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause further susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase reagent or just again allowed all determined by blood test.  
See Side Panel For Additional Precautionary Statements.

CARDINAL CHEMICAL COMPANY  
300 N. East St., Ste. 207 - Woodland, CA 95776-5922

EPA Reg. No. 540912

EPA Est. No. 48498-CA-01

PROTECTING THE FOODS THAT FEED THE NATION

### Directions for Use, continued

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.  
STORAGE: Store product in original container in a cool, dry, locked place out of reach of children.  
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.  
CONTAINER DISPOSAL: Metal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### FOR USE IN COMMERCIAL APPLICATION EQUIPMENT: CONVENTIONAL OR ULV FOGGING EQUIPMENT

For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Saw-toothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, and Granary Weevil.

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption.

- Raw commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops.
- Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables.
- Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers.
- Processed food/feed does not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.
- When used in food/feed processing, food/feed manufacturing, handling and storage areas:
- Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins.
- All food/feed-processing surfaces should be covered during treatment or thoroughly cleaned before using.

### NOTE—USE IS PROHIBITED IN:

- The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants, excluding non-food manufacturing areas).
- The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants, excluding non-food processing areas).
- Federally Inspected Meat and Poultry Plants.
- Non-Food/feed Processing Areas include areas such as garbage rooms, lavatories, floor drains (to sewers, entries and vestibules), offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

### TREATMENT/REENTRY

All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND AERED PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g., a Draeger Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (16.1ppm); AN AIR CONCENTRATION OF 0.65 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO 50% OF THE PEL OR LESS." AM OR PM ON (Day) WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."

### DRUM HANDLING

Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

### APPLICATION

The rate of application should be 1 to 2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied. Keep a minimum of a 7-day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of headspace. Do not make applications when temperatures are below 60 degrees F.

### STATEMENT OF WARRANTY AND LIABILITY

Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES, AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

June 9, 1998

MP-32517-V





Notification

PROTECTING THE  
FOODS THAT FEED  
THE NATION

1233 E. Beamer St.  
Suite G  
Woodland, CA 95776  
(916) 666-1288  
(800) 715-1777

June 16, 1998

Mr. George LaRocca, PM #13  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504C)  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Re: CARD-O-VAP 8, EPA Reg. No. 5440-121

Dear Mr. LaRocca:

This is to notify you of corrections to the label of the above-referenced product. The corrections include minor changes, such as address, change of establishment, and typographical errors. We have also made a few format changes to make it easier to read. Enclosed, please find EPA Form 8570-1 and a copy of the label with the corrections highlighted.

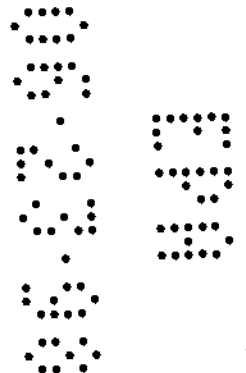
This notification is consistent with the provisions of PR Notice 95-2 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Sincerely,

Stan Iversen  
Registration Manager

SI:mb

Enclosures





Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
☒ Other

OPP Identifier Number  
230053

### Application for Pesticide - Section I

1. Company/Product Number 5440-121	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CARD-O-VAP 8	PM# 03	
5. Name and Address of Applicant (Include ZIP Code) Cardinal Chemical Company P. O. Box 782 Hollister, CA 95024  <input checked="" type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>NOTIFICATION</u> Product Name <u>APR 22 1998</u>

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Mo Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Corrected error in lower certified limit of [redacted] inert.  
See new Confidential Statement of Formula, attached. *Basic CSF dated 3/31/98*

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 1; 2.5; 5; 30; and 55-ga.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Mardel Belotinsky	Title Regulatory Affairs Specialist	Telephone No. (include Area Code) (408) 637-0195
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
Signature <i>[Signature]</i>	3. Title Registration Manager	
Typed Name Stan Iversen	5. Date 4/2/98	



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

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2. Confidential Statement of Formula (EPA Form 8570-4);
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5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

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**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, post or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.


**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "no-toe," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.



 <b>Formulator's Exemption Statement</b> (40 CFR 152.85)		United States Environmental Protection Agency Washington, DC 20460 Form Approved OMN No. 2070-0060 Approval expires 9-30-90
Applicant's Name and Address <b>Cardinal Chemical Company</b>	EPA File Symbol/Registration Number <b>5440-121</b>	
	Product Name <b>CARD-O-VAP 8</b>	
	Date of Confidential Statement of Formula (EPA Form 8570-4) <b>3/31/98</b>	

As an authorized representative of the applicant for registration of the product identified above, I hereby certify that:

- (1) This product contains the following active ingredient(s):  
 2,2-dichlorovinyl dimethyl phosphate (Dichlorovos, DDVP)

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the incorporation into the product (*during formulation or packaging*) of another product which contains that active ingredient, which is registered under FIFRA Section 3, and which is purchased by us from another producer.

(3) Indicate by checking (A) or (B) below which paragraph applies:

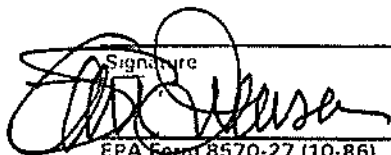
- ☒ (A) An accurate Confidential Statement of Formula (EPA Form 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

- ☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Active Ingredient	Source	
	Product Name	Registration Number
2,2-dichlorovinyl dimethyl phosphate (Dichlorovos, DDVP)		

Signature  


Name and Title  
**Stan Iversen,**  
**Registration Manager**

Date  
**4/2/98**





U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number

Date of Issuance:

5440-121

22 JAN 1997

Term of Issuance:

Conditional

Name of Pesticide Product:

Cardinal Card-O-Vap 8

NOTICE OF PESTICIDE:

  x   Registration  
      Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Cardinal Chemical Company  
1233 E. Beamer St.  
Suite G  
Woodland, CA 95776

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. The following label changes must be made to the label:
  - a. Revise the EPA Registration Number to read, 5440-121.
  - b. The precautionary statements state: "Poisonous if swallowed ..." This must be changed to "Fatal if swallowed."
  - c. The use sites must be moved to the front panel of the label.
  - d. Under Non-food/feed processing areas: "...machining rooms ..." must be changed to "... machine rooms ..."
  - e. Under the ingredients statements on the front page, the term "inert ingredients" should be footnoted (with an asterisk or other symbol) to state that the product contains petroleum distillates.

Signature of Approving Official:

Date:



f. Page 3, of the label states: "NOTE; USE PROHIBITED IN: ...  
(c) USDA Meat and Poultry Plants". This should be changed from "USDA Meat and Poultry Plants" to "Federally Inspected Meat and Poultry Plants". We regret sending you the incorrect statement previously.

3. The dielectric breakdown point for 5440-RER must be submitted to the Agency, or, the following statement must be added to the label:

"Do not apply this product in or on electrical equipment due to the possibility of shock hazard."

4. As the flashpoint of the product is 110 degrees F, the statement "Do not use or store near heat or open flame" must be added to the front panel of the label under the heading Physical/Chemical Hazards.

5. The following personal protective clothing must be added beneath the precautionary statements or directions for use.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options follow the instructions from category "C" of the EPA chemical resistance category selection chart in the Worker Protection Standard.

Applicators and other Handlers Must Wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber, Nitrile Rubber, Neoprene Rubber, Polyvinyl Chloride or Viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical resistant headgear for overhead exposure
- Chemical resistant apron required for mixing/loading and cleaning equipment

Respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TX-23C) or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G)

-Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washing, use detergent and hot water. Keep and wash PPE separately from other laundry.

The above respirator statement should replace the current statement.

6. Submit two copies of the revised final printed label for the record before you release the product for shipment.



If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)



# CARD-O-VAP 8

FOR SALE TO, USE AND STORAGE  
BY COMMERCIAL AND INDUSTRIAL APPLICATORS ONLY

ACTIVE INGREDIENTS	
2,2-dichlorovinyl dimethyl phosphate* (Dichlorvos, DOVP)	7.44%
Rotated Compounds	0.56%
INERT INGREDIENTS	95.00%
TOTAL	100.00%

\* Equivalent to 5% Vapona Insecticide

Contains Petroleum Distillates

KEEP OUT OF REACH OF CHILDREN

DANGER



PELIGRO

POISON

## STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Because of aspiration potential, do not induce vomiting unless under direct medical supervision. Do not induce vomiting or give anything to an unconscious person.

IF INHALED: Remove victim to fresh air. Apply artificial respiration, if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

ANTIDOTE AND FIRST AID TREATMENT: ATROPINE is the emergency antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING. Keep patient prone and quiet. Start artificial respiration if patient is not breathing. Transport the patient immediately to the nearest physician.

NOTE TO PHYSICIAN: SYMPTOMS: Symptoms include weakness, headache, lightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps. TREATMENT: Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10-minute intervals, in doses of 1 to 2 milligrams until complete Atropinization has occurred. 2-PAM is also antidotal and may be administered in conjunction with Atropine. Morphine is contraindicated. Clear chest by postural drainage. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been allowed as determined by blood test.

See Side Panel For Additional Precautionary Statements.

CARDINAL CHEMICAL COMPANY

1233 E. Boomer Street - Woodland, CA 95776

E.P.A. EST. NO. 5440-CA-1

E.P.A. REG. NO. 5440-RER

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

22 JAN 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

5440-121



**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS  
AND DOMESTIC ANIMALS:**

**DANGER**

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. RAPIDLY ABSORBED THROUGH THE SKIN. REPEATED INHALATION OR SKIN CONTACT MAY WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO DICHLORVOS (DDVP) POISONING. DO NOT SWALLOW OR GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPORS. DO NOT CONTAMINATE FOOD OR FEED PRODUCTS. WEAR A PESTICIDE RESPIRATOR JOINTLY APPROVED BY THE MINE SAFETY AND HEALTH ADMINISTRATION AND BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH UNDER THE PROVISION OF 30 CFR PART 11.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this product only as specified on this label. Not for use or storage in or around the home.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Store product in original container in a cool, dry, locked place out of reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL. Metal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Plastic:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Directions For Use Continued, Column 3



**Directions For Use, Continued:**

FOR USE IN COMMERCIAL APPLICATION EQUIPMENT: CONVENTIONAL OR ULV FOGGING EQUIPMENT. FOR USE IN WAREHOUSES, SILOS, BULK BINS AND FOOD/FEED PROCESSING, FOOD/FEED MANUFACTURING, HANDLING AND STORAGE PLANTS CONTAINING NON-PERISHABLE, PACKAGED OR BAGGED RAW OR PROCESSED FOOD/FEED COMMODITIES OR BULK RAW OR PROCESSED FOOD COMMODITIES.

*For control of insects such as: Indian Meal Moth, Red Flour Beetle, Confused Flour Beetle, Sawtoothed Grain Beetle, Merchant Grain Beetle, Cigarette Beetle, Drugstore Beetle, Granary Weevil.*

The term "non-perishable" means any raw or processed food/feed not subject to rapid decay or deterioration that would render it unfit for consumption. Raw Commodities would include: Animal feed, cocoa beans, dried beans, grain crops, peanuts, soybeans and nut crops. Raw commodities do not include: eggs, milk, meat, poultry, fish, fresh fruits and vegetables. Processed food/feed would include: flour, sugar, cereals, packaged goods and crackers. Processed food/feed do not include: hermetically sealed foods or manufactured dairy products and other processed food/feed requiring freezing or refrigeration.

When used in food/feed processing, food/feed manufacturing, handling and storage areas: (a) Apply only during times when plant is not in operation and no food/feed products are exposed. If bulk, unpackaged food/feed are exposed, remove or cover before treatment begins. (b) All food/feed processing surfaces should be covered during treatment or thoroughly cleaned before using.

**NOTE; USE IS PROHIBITED IN:** (a) The following food/feed manufacturing establishments: bottling plants (including wineries, breweries, soft drinks), frozen food/feed (including pizza plants and ice cream plants) excluding non-food manufacturing areas. (b) The following food/feed processing establishments: meat, poultry and seafood slaughtering and/or packing plants (including edible fats and oils), frozen food/feed plants (including fruit and vegetables), dairy product plants (including milk processing plants) excluding non-food processing areas. (c). USDA Meat and Poultry Plants

**Non-Food/Feed Processing Areas:** Includes areas such as garbage rooms, lavatories, floor drains (to sewers entries and vestibules), offices, locker rooms, machining rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

All treatments should be made during the hours when buildings are unoccupied. Buildings treated should be closed and ventilation kept at a minimum during application. Lock all entrances and do not allow unprotected workers to enter buildings during treatment. Place WARNING signs at all entrances stating: "THIS BUILDING SHOULD BE OPENED AND Aired PRIOR TO REENTRY OF UNPROTECTED WORKERS. THIS BUILDING MUST NOT BE ENTERED WITHOUT PERSONAL PROTECTION EQUIPMENT FOR 24 HOURS; OR, UNTIL A DIRECT INDICATING SHORT TERM CONCENTRATION MONITORING DEVICE (e.g. a Oragor Tube) INDICATES THAT THE DDVP AIR CONCENTRATION IS EQUAL TO, OR LESS THAN, 50% OF THE PEL (0.1ppm); AN AIR CONCENTRATION OF 0.05 PPM OR LESS IS REQUIRED FOR ENTRY WITHOUT PERSONAL PROTECTION EQUIPMENT. DO NOT ENTER PRIOR TO \_\_\_\_AM OR PM ON \_\_\_\_Date WITHOUT PERSONAL PROTECTION EQUIPMENT UNLESS AIR CONCENTRATIONS OF DDVP ARE 50% OF THE PEL OR LESS."

**DRUM HANDLING:** Handle carefully to prevent damage and leakage. Open drums only when set on end and under a ventilated hood or when wearing an approved respirator and appropriate protective clothing. Open bungs slowly to release pressure.

**APPLICATION:** The rate of application should be between 1-2 grams of actual Vapona per 1,000 cubic feet or 1/2 to 1 oz. of liquid per 1,000 cubic feet. Check amount in insecticide tank or auxiliary tank before and after treatment to assure proper dosage has been applied.

Keep a minimum of a 7 day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of head space.

Do not make applications when temperatures are below 60 degrees F.

**STATEMENT OF WARRANTY AND LIABILITY** Seller warrants that this product complies with the specifications expressed in this label. SELLER MAKES NO OTHER WARRANTIES; AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE INTENDED PURPOSE. Seller's liability for default, breach or failure under this label shall be limited to the amount of the purchase price. Seller shall have no liability for consequential damages.

June, 1996





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

12 FEB 1997

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Stan Iversen  
Cardinal Chemical Company  
1233 E. Beamer Street, Suite G  
Woodland, CA 95776

Subject: Follow up to Notice of Registration  
Card-O-Vap 8  
Reg. No. 5440-121

Dear Mr. Iversen:

It has come to our attention that the percentages of active and inert ingredients in the ingredient statement exceeds 100%. Revise the total percentage of inert ingredients to 92% so that the total equals 100%. Submit 2 copies of corrected labeling.

Sincerely yours,

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber



Resubmission - JH

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060. Approval expires 05-31-98



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number  
244131

## Application for Pesticide - Section I

1. Company/Product Number 5440-RER	2. EPA Product Manager George LaRocca	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Card-O-Vap 8	PM# 13	
5. Name and Address of Applicant (include ZIP Code) Cardinal Chemical Company 1233 E. Beamer Street, Suite G Woodland, CA 95776 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>161 / 5507929</u> Product Name _____	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input checked="" type="checkbox"/> Resubmission in response to Agency letter dated <u>5/22/96</u>	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Response to Agency letter dated May 22, 1996--see attached letter and accompanying documents

## Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
Certification must be submitted				<input checked="" type="checkbox"/> Plastic	
	If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 2 1/2, 5, 40, 55 gallon		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Stan Iversen		Title CEO/Project Manager		Telephone No. (Include Area Code) (408) 637-0195	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received JUN 18 10 25 RECD EPA/OPP/DPD
2. Signature 		3. Title CEO/Project Manager			
4. Typed Name Stan Iversen		5. Date 6/17/96			



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). (If not exempted by 40 CFR 152.81 (b) (4));
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.  
Block A - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. Company/Product Number - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. EPA Product Manager - If known, fill in the name and PM number of the EPA Product Manager.
3. Proposed Classification - Specify the proposed classification of this product.
4. Product Name - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. Name and Address of Applicant - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. Expedited Review - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. Subject of submission - Check the applicable block and provide the Agency letter data if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. Type of Packaging - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. Type of Retail Container - Indicate type of container in which product will be marketed.
3. Location of Net Contents - Indicate the location of the net contents information for your product.
4. Size(s) of Retail Container - Specify the net contents of all retail containers for your product.
5. Location of Use Directions - Indicate the location of the use directions for your product.
6. Manner in which label is affixed to product - Indicate the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "no-to," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.





United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number  
234372

### Application for Pesticide - Section I

1. Company/Product Number 5440- RER	2. EPA Product Manager G. LaRocca (PM 13)	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) CARD-O-VAP 8	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Cardinal Chemical Company 1233 E. Beamer Street, Suite G Woodland, CA 95776  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)  
See attached

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must submitted					
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 2 1/2, 5, 30, 55 gallon		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jerry Fisher	Title Manager	Telephone No. (Include Area Code) (408) 637-0195

### Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received  
(Stamped)

2. Signature 	3. Title Manager
4. Typed Name Jerry Fisher	5. Date 11/16/95





PROTECTING THE  
FOODS THAT FEED  
THE NATION

1233 E. Beamer St.  
Suite G  
Woodland, CA 95776  
(916) 666-1288  
(800) 715-1777

June 17, 1996

Mr. George LaRocca (PM 13)  
EPA Registration Division (7505C)  
Document Processing Desk (Amend) Room 258  
Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, Virginia 22202

Re: Cardinal Card-O-Vap 5 EPA File Symbol 5440-REN  
Cardinal Card-O-Vap 8 EPA File Symbol 5440-RER ✓

Dear Mr. LaRocca:

In response to your letter of May 22, 1996, the following revisions have been made to the above listed labels.

1. Under the "Hazards to Humans and Domestic Animals" section, the following has been added, ""Danger. Poisonous if swallowed, inhaled or absorbed through the skin. Rapidly absorbed through the skin. Repeated inhalation or skin contact may without symptoms, progressively increase susceptibility to DICHLORVOS (DDVP) poisoning. Do not swallow or get in eyes, or skin or on clothing. Do not breathe vapors. Do not contaminate food or feed products."
2. The common name "Dichlorvos" has been added to the chemical name in the ingredient statement.
3. Under "Directions For Use" the following statements have been added: "Keep a minimum of a 7 day interval between applications except on cocoa beans and raw (unshelled) peanuts where daily applications do not exceed 0.5 grams A.I. per 1,000 cubic feet of head space. Do not make applications when temperatures are below 60 degrees F.
4. The use sites listed on [REDACTED] have been added in the "Directions for Use" section.
5. The following statement under "Environmental Hazards" has been added, "This product is toxic to fish, birds, and other wildlife." The word, "washwaters" has been added to the following statement, "Do not contaminate water by cleaning of equipment or disposal of equipment washwaters."



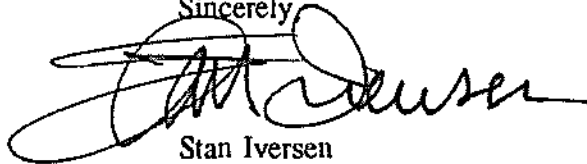
\*Product ingredient source information may be entitled to confidential treatment\*

\*Inert ingredient information may be entitled to confidential treatment\*

6. The list of sites in non-food manufacturing and processing areas has been expanded to include the sites listed on the [REDACTED]
7. The statement has been added, "Not for Use in USDA Meat and Poultry Plants."
8. The statement has been added in the Directions For Use section, "For Use in Commercial Application Equipment: Conventional or ULV Fogging Equipment," which is listed on the approved technical label (EPA Regis. No. 5481-96).
9. A list has been added in the section, "Directions For Use".
10. The building posting requirement statement has been revised to comply with [REDACTED]
11. The site reference "Institutional" on the front panel has been deleted.
12. Since the purpose of the amendment submissions was to eliminate the ingredient [REDACTED], the Confidential Statements of Formulas which accompanied the submissions did not list [REDACTED] as an active or inactive ingredient. A revised CSF for a basic rather than alternate formulation for the product Card-O-Vap 5 is attached (EPA File Symbol 5440-REN).
13. A copy of the submission for CARD-O-Vap 8 (EPA File Symbol 5440-RER) dated November 11, 1995 is attached. (Please Note: Card-O-Vap 8 was not a "Me Too" submission).

I hope these revisions satisfy the department. If you have any questions, please call as soon as possible (408) 637-0195.

Sincerely



Stan Iversen  
Product Manager

Sl:bmc



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

606503953  
13/1

21 MAY 1996

Mr. Jerry Fisher  
Cardinal Chemical Company  
1233 E. Beamer St.  
Suite G  
Woodland, CA 95776

Dear Mr. Fisher:

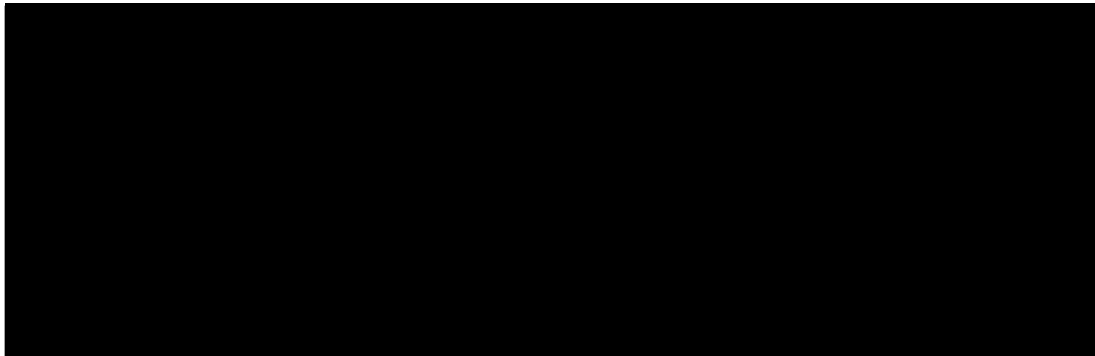
Subject: Registration Application  
Cardinal Card-O-Vap 5  
EPA File Symbol 5440-REN  
Card-O-Vap 8  
EPA File Symbol 5440-RER  
Your Submissions Dated October 5, 1994; August 2 and  
November 1, 1995 for 5440-REN; and November 16, 1995 for  
5440-RER

The labeling referred to above, submitted in connection with  
registration under the Federal Insecticide, Fungicide, and Roden-  
ticide Act, as amended, is not acceptable for the reasons given  
below:

1. Under Hazards to Humans and Domestic Animals: "Danger.  
Poisonous if swallowed, inhaled or absorbed through the  
skin. Rapidly absorbed through the skin. Repeated  
inhalation or skin contact may without symptoms,  
progressively increase susceptibility to DICHLORVOS  
(DDVP) poisoning. Do not swallow or get in eyes, on skin  
or on clothing. Do not breathe vapors. Do not  
contaminate food or feed products."
2. Add the common name "Dichlorvos" to the chemical name in  
the ingredient statement.
3. Under Directions for Use add the following: "Keep a  
minimum of a 7 dy interval between applications except on  
cocoa beans and raw (unshelled) peanuts where daily  
applications do not exceed 0.5 grams A.I. per 1,00 cubic  
feet of head space. Do not make applications when  
temperatures are below 60F."
4. You must describe the intended use sites for your product  
on the front labeling. For example, your reference  
product's labeling lists the following, "For use in  
warehouses, railroad cars, stationary trucks, flour

SYMBOL	mills, grain....					
SURNAME						
DATE						



5. Under Environmental Hazards add "This product is toxic to fish, birds, and other wildlife." and revise the sentence to read as follows: "Do not contaminate water by cleaning or equipment or disposal of equipment washwaters."
6. Under "Note; Use is prohibited in:...." you must expand the comment "...excluding non-food processing areas" by providing directions for use and identifying sites in non-food manufacturing and processing areas. Alternatively you can delete phrase which means the product cannot be used at all in these plants (see DDVP technical label, enclosed).
7. Use in food-handling establishments can imply use in U.S. Department of Agriculture (USDA) Meat and Poultry Plants. Therefore, either add the statement "Not for Use in USDA Meat and Poultry Plants," or submit an application to USDA requesting use in these areas. If granted you can then indicate on the label that the product can be used in these areas.
8. Under directions for use you state "For OR ULV Space Spray. What other method of application are you using besides ULV fogging?"
9. Under Directions identify what pests you are controlling, i.e., "For use in the control of exposed stages of stored products insects infesting warehouses, silos, bulk bins and ...etc."
10. Revise the building posting requirement as it appears on the latest labeling for Amvac's Technical Product EPA Registration No. 5481-96 (see page 5 of label, enclosed).
11. There are not institutional sites on your label nor appropriate directions for use. Thus delete "institutional" on the front panel.
12. 



13. (The following only applies to 5440-RER): Your Me-Too reference product, MAX Kill Vapo-Cide, EPA Registration No. 2548-71 contains 5% DDVP. The proposed product contains 8% DDVP. A reference product must be similar/identical in both composition and labeling to the subject product. You must cite another reference product which meets this criteria.

Please respond within 75 days from the date of this letter stating your intentions to comply with the information/data requests cited above. If no resubmission is received during the 75 day period, the application will be administratively withdrawn.

Sincerely yours,

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)





PROTECTING THE  
FOODS THAT FEED  
THE NATION

1233 E. Beamer St.  
Suite G  
Woodland, CA 95776  
(916) 666-1288  
(800) 715-1777

November 16, 1995

Mr. G. LaRocca (PM 13)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Hwy  
Arlington, VA 22202

OPP Identifier Number 234372

Dear Mr. LaRocca:

We are requesting registration of the product CARD-O-VAP 8 for the following reason:

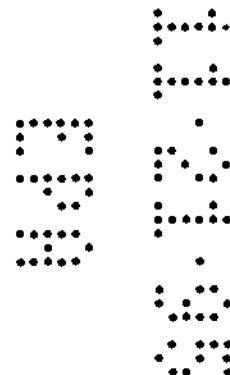
Since formulations containing [REDACTED] will not be available after December 1995, Cardinal Chemical is requesting approval of an alternate formulation containing the following EPA approved ingredients: 8% Vapona; [REDACTED] which has been approved for use by the EPA in Cardinal 5% Vapona (EPA Regis. No. 5440-114); and [REDACTED], which is classified under EPA's Code of Federal Regulations Title 40, Section 180.1001 as an inert ingredient exempt from the requirement of a residue tolerance for pesticides (data attached). With this formulation, the application rate customarily used in the industry will remain the same: 1-2 gms of actual Vapona per 1,000 cu.ft. or  $\frac{1}{2}$  to 1 fluid ounce of liquid per 1,000 cu.ft.

Due to the December 1995 deadline, we request your immediate approval of this formulation.

Sincerely,

Jerry Fisher  
Manager

JF:bmc







United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number  
234372

### Application for Pesticide - Section I

1. Company/Product Number 5440- <u>RRR</u>	2. EPA Product Manager G. LaRocca (PM 13)	3. Proposed Classification <input checked="" type="checkbox"/> Nono <input type="checkbox"/> Restricted
4. Company/Product (Name) CARD-O-VAP 8	PM# 13	
5. Name and Address of Applicant (Include ZIP Code) Cardinal Chemical Company 1233 E. Beamer Street, Suite G Woodland, CA 95776 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>558-71</u> <u>9044-19-96</u> Product Name <u>Max Kill</u>	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Mo Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

See attached

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input checked="" type="checkbox"/> Metal	
				<input checked="" type="checkbox"/> Plastic	
				<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted					
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 2 1/2, 5, 30, 55 gallon		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Jerry Fisher	Title Manager	Telephone No. (Include Area Code) (408) 637-0195
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped) ..... ..... ..... ..... .....
2. Signature <i>Jerry Fisher</i>	3. Title Manager	
4. Typed Name Jerry Fisher	5. Date 11/16/95	



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.25 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, 121361, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, and use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A - Check the appropriate action for which you are submitting this form.**

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, post or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual pockets and number per retail container.
2. **Type of Retail Container** - Indicate the type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which labels are affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too" reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.





United States Environmental Protection Agency  
Washington, DC 20460

# Certification with Respect to Citation of Data

Form Approved  
OMB No. 2070-0060  
Approval Expires 11-30-93

Applicant's Name and Address

Cardinal Chemical Company  
1233 E. Beamer Street, Suite G  
Woodland, CA 95776

EPA File Symbol/Registration Number

5440-REP

Product Name

CARD-O-VAP 8

Date of Application

11/15/95

**NOTE:** If your product is a 100% repackaging of another EPA-registered product that you purchase, and is labeled for the same uses, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

1. This application is supported by all data submitted or cited in the application. In addition, if cite-all options are indicated, this application is supported by all data in the Agency's files that concern the properties or effects of this product that is identical or substantially similar, and that is one of the types of data that would be required to be submitted if this application sought the initial registration of a product of identical or similar composition and intended uses under the data requirements in effect on the date of approval of this application. (Check the appropriate boxes, in items 2 and 3 below, that pertain to your application.)
2. I certify that, for each study cited in support of this application for registration that is an exclusive use study,  
☐ I am the original submitter\*; or  
☐ I have obtained the written permission of the original data submitter to cite that study\*
3. I certify that, for each study cited in support of this application for registration that is not an exclusive use study:
  - a. ☐ I am the original data submitter\*; or  
☐ I have obtained the written permission of the original data submitter to cite that study\*; or
  - b. ☒ I have notified in writing the companies that have submitted data I have cited to support this application and have offered to: (a) Pay compensation for those data in accordance with section 3(c)(1)(D) and 3(c)(2)(D) of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA); and (b) Commence negotiations to determine which data are subject to the compensation requirement of FIFRA and the amount and terms of compensation due, if any. The companies I have notified are: (Check one)  
☒ All companies listed on the Pesticide Data Submitters List for all active ingredients contained in my product (cite-all method or cite-all option under Selective Method\*). (Also, sign the General Offer Statement below.)  
☐ Those companies that have submitted the studies which I have cited (Selective method\*).

\* A Data Matrix identifying these studies is attached. (Note: a Data Matrix is not required under the cite-all method.)

Signature

Name and Title

Jerry Fisher

Date

11/15/95

General Offer to Pay: I hereby offer and agree to pay compensation to other persons, with regard to the approval of this application, to the extent required.

Signature

Name and Title

Jerry Fisher

Date

11/15/95



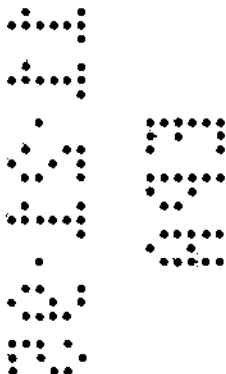
## Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to 1.0 hours per response, including time for reviewing instructions, certifying the existence of the appropriate data, and completing and mailing this form. Send comments regarding the burden estimate or any other aspect of this certification process including suggestions for reducing the burden to:

Chief, Information Policy Branch, PM-223  
U.S. Environmental Protection Agency  
401 M Street, S.W.  
Washington, DC 20460

and to

Office of Management and Budget  
Paperwork Reduction Project (2070-0060)  
Washington, DC 20503







United States Environmental Protection Agency  
Washington, DC 20460

**Formulator's Exemption Statement**  
(40 CFR 152.85)

Form Approved  
OMB No. 2070-0060  
Approval expires 9-30-90

Applicant's Name and Address  Cardinal Chemical Company 1233 E. Beamer Street, Suite G Woodland, CA 95776	EPA File Symbol/Registration Number 5440- RER
	Product Name CARD-O-VAP 8
	Date of Confidential Statement of Formula (EPA Form 8570-4) 11/15/95

As an authorized representative of the applicant for registration of the product identified above, I hereby certify that:

(1) This product contains the following active ingredient(s):

2,2-dichlorovinyl dimethyl phosphate (Dichlorovos, DDVP)

(2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the incorporation into the product (*during formulation or packaging*) of another product which contains that active ingredient, which is registered under FIFRA Section 3, and which is purchased by us from another producer.

(3) Indicate by checking (A) or (B) below which paragraph applies:

☒ (A) An accurate Confidential Statement of Formula (EPA Form 8570-4) for the above identified product is attached to this statement. That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

☐ (B) The Confidential Statement of Formula (CSF) (EPA Form 8570-4) referenced above and on file with the EPA is complete, current, and accurate and contains the information required on the current CSF.

(4) The following active ingredients in this product qualify for the formulator's exemption.

Active Ingredient	Source	
	Product Name	Registration Number
2,2-dichlorovinyl dimethyl phosphate (Dichlorovos, DDVP)	[REDACTED]	[REDACTED]

Signature

*Jerry Fisher*

Name and Title

Jerry Fisher, Manager

Date

11/15/95



## Paperwork Reduction Act Notice

The public reporting burden for this collection of information is estimated to average 1.5 hours per response, including familiarization with the form, organizing the necessary information, and completing the form. Send any comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to:

Chief, Information Policy Branch, PM-223  
U.S. Environmental Protection Agency  
401 M Street, S.W.  
Washington, DC 20460

and to

Office of Management and Budget  
Paperwork Reduction Project (2070-0060)  
Washington, DC 20503

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EPA Form 8570-27 (10-86) Reverse

•••••



**PRECAUTIONARY STATEMENTS  
HAZARD TO HUMANS  
AND DOMESTIC ANIMALS:  
DANGER**

CONCENTRATE IS POISONOUS  
IF SWALLOWED, INHALED OR  
ABSORBED THROUGH SKIN OR EYES.  
DO NOT GET ON SKIN OR IN EYES.  
DO NOT BREATHE FUMES.

WEAR A PESTICIDE RESPIRATOR JOINTLY  
APPROVED BY THE MINE SAFETY AND  
HEALTH ADMINISTRATION AND BY THE  
NATIONAL INSTITUTE FOR OCCUPA-  
TIONAL SAFETY AND HEALTH UNDER THE  
PROVISION OF 30 CFR PART 11.

**ENVIRONMENTAL HAZARDS**

Keep out of any body of water. Do not contaminate water  
by cleaning of equipment or disposal of wastes. Apply this  
product only as specified on this label.

Not for use or storage in or around the home.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a  
manner inconsistent with its labeling.  
FOR USE ONLY IN COMMERCIAL APPLICATION EQUIPMENT  
SUCH AS CONVENTIONAL OR ULV LOGGING EQUIPMENT

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or  
disposal.

**STORAGE:** Store product in original container in a cool,  
dry, locked place out of reach of children.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely  
hazardous. Improper disposal of excess pesticide, spray  
mixture, or rinsate is a violation of Federal law. If these  
wastes cannot be disposed of by use according to label  
instructions, contact your State Pesticide or Environmental  
Control Agency, or the hazardous waste representative at  
the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** (Metal) Triple rinse (or  
equivalent). Then offer for recycling or reconditioning, or  
puncture and dispose of in a sanitary landfill, or by other  
procedures approved by state and local authorities.  
(Plastic) Triple rinse (or equivalent). Then offer for  
recycling or reconditioning, or puncture and dispose of in a  
sanitary landfill or incineration, or, if allowed by State and  
local authorities, by burning. If burned, stay out of smoke.

Directions For Use Continued, Column 1

# **CARD-O-VAP-8**

FOR SALE TO, USE AND STORAGE BY COMMERCIAL,  
INDUSTRIAL AND INSTITUTIONAL APPLICATORS ONLY

<b>ACTIVE INGREDIENTS</b>	
2,2-dichlorovinyl dimethyl phosphale*	7.44%
Related Compounds	0.56%
<b>INERT INGREDIENTS</b>	
TOTAL	95.00%
	100.00%

\* Equivalent to 5% Vapona Insecticide  
Contains Petroleum Distillates

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**PELIGRO**

**POISON**

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Because  
of aspiration potential, do not induce vomiting unless under direct medical  
supervision. Do not induce vomiting or give anything to an unconscious person.  
**IF INHALED:** Remove victim to fresh air. Apply artificial respiration, if indicated.  
**IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap  
and water.

**IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately if  
irritation persists.

**ANTIDOTE AND FIRST AID TREATMENT:** ATROPINE is the emergency  
antidote. CALL A PHYSICIAN IMMEDIATELY IN ALL CASES OF SUSPECTED  
POISONING. Keep patient prone and quiet. Start artificial respiration if patient is not  
breathing. Transport the patient immediately to the nearest physician.

**NOTE TO PHYSICIAN:** **SYMPTOMS:** Symptoms include weakness, headache,  
lightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating,  
nausea, vomiting, diarrhea and abdominal cramps. **TREATMENT:** Atropine is the  
specific anticholinergic antagonist of choice against parasympathetic nervous  
stimulation. Rubere can signs of parasympathetic stimulation, Atropine Sulfate  
should be given at 10 minute intervals, in doses of 1 to 2 milligrams until complete  
Atropinization has occurred. 2-PAM is also antidotal and may be administered in  
conjunction with Atropine. Morphine is contraindicated. Clear chest by postural  
drainage. Observe patient continuously for 24 hours. Repeated exposure to  
cholinesterase inhibitors may, without warning, cause prolonged susceptibility to  
every symptoms of any cholinesterase inhibitor. Allow no further exposure until time  
of cholinesterase regeneration has been advised as determined by blood test.

See this Panel for Additional Precautionary Statements.

**CARDINAL CHEMICAL COMPANY**

1233 E. Bonnet Street, Suite G - Woodland, CA 95776

E.P.A. EST. NO. 5440-CA-1

E.P.A. REG. NO. 5440-

Directions For Use, Continued.

**FOR OR ULV SPACE SPRAY - FOOD OR NON-FOOD  
AREAS:** For use in warehouses, silos, bulk bins and food  
processing, food manufacturing, handling and storage plants  
containing non-perishable, packaged or bagged raw or  
processed food commodities or bulk raw or processed food  
commodities.

The term "non-perishable" means any raw or processed food  
not subject to rapid decay or deterioration that would render it  
unfit for consumption. Raw Commodities would include, but are  
not limited to: Animal feed, cocoa beans, dried beans, dried  
fruit, grain crops, peanuts, soybeans and nut crops. Raw  
commodities do not include: eggs, milk, meat, poultry, fish,  
fresh fruits and vegetables. Processed foods would include,  
but are not limited to: flour, sugar, cereals, packaged goods  
and crackers. Processed foods do not include: hermetically  
sealed foods or manufactured dairy products and other  
processed foods requiring freezing or refrigeration.

When used in food processing, food manufacturing, handling  
and storage areas: apply only during times when plant is not in  
operation and no processed food products are exposed. If  
bulk, unpackaged processed foods are exposed, remove or  
cover before treatment begins. All food processing surfaces  
should be covered during treatment or thoroughly cleaned  
before using.

**NOTE: USE IS PROHIBITED IN:** The following food  
manufacturing establishments: bottling plants (including  
wineries, breweries, soft drinks), frozen food (including pizza  
plants and ice cream plants) excluding non-food manufacturing  
areas. The following food processing establishments: meat,  
poultry and seafood slaughtering and/or packing plants  
(including edible fats and oils), frozen food plants (including fruit  
and vegetables), dairy product plants (including milk processing  
plants) excluding non-food processing areas.

**DRAIN HANDLING:** Handle carefully to prevent damage and  
leakage. Open drums only when set on end and under a  
vented hood or when wearing an approved respirator and  
appropriate protective clothing. Open bungs slowly to release  
pressure.

The rate of application should be between 1-2 grams of actual  
Vapona per 1,000 cubic feet or 1/2 to 1 fluid ounce of liquid per  
1,000 cubic feet. Check amount in insecticide tank or auxiliary  
tank before and after treatment to assure proper dosage has  
been applied.

Treatment should be made during the hours when buildings are  
unoccupied. Buildings treated should be closed and ventilation  
kept at a minimum during application of the insecticide. Lock all  
entrances and do not allow unprotected workers to enter  
buildings while being treated. Place Caution Signs at all  
entrances stating: "This building should be opened and aired  
prior to reentry of unprotected workers or remain unoccupied  
by unprotected workers for at least 6 hours after treatment. Do  
not enter prior to \_\_\_\_\_ o'clock, date \_\_\_\_\_ without protection."

**STATEMENT OF WARRANTY AND LIABILITY.**

Seller warrants that this product complies with the  
specifications expressed in this label. SELLER MAKES NO  
OTHER WARRANTIES, AND DISCLAIMS ALL OTHER  
WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT  
NOT LIMITED TO WARRANTIES OF MERCHANTABILITY  
AND FITNESS FOR THE INTENDED PURPOSE. Seller's  
liability for default, breach or failure under this label shall be  
limited to the amount of the purchase price. Seller shall have  
no liability for consequential damages.

November, 1995



**Pages 75-85**

**\*Product ingredient source information may be entitled to confidential treatment\***

**\*Inert ingredient information may be entitled to confidential treatment\***



**Pages 86-105 - \*Confidential Statements of Formula may be entitled to confidential treatment\***